

# Heat Capacities and Entropies of Organic Compounds in the Condensed Phase. Volume III

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This compilation of data on the heat capacities and entropies of organic compounds in the condensed phase is a cumulative document and includes the following earlier published work on this subject: "Heat Capacities and Entropies of Organic Compounds in the Condensed Phase," E. S. Domalski, W. H. Evans, and E. D. Hearing, *J. Phys. Chem. Ref. Data* **13**, Suppl. 1 (1984) and "Heat Capacities and Entropies of Organic Compounds in the Condensed Phase, Volume II," E.S. Domalski and E.D. Hearing, *J. Phys. Chem. Ref. Data* **19**, 881–1047 (1990). In addition, the literature through 1993 has been searched and the pertinent data reported has been included in Volume III. The latter volume provides data on 5332 individual entries for 2503 discrete organic compounds for which over 2200 articles have been examined, evaluated, and referenced. In addition to values for the heat capacity and entropy at 298.15 K, phase transitions for solid/solid, solid/liquid, and in some instances, solid/gas and liquid/gas are tabulated as encountered in the articles examined and evaluated. © 1996 American Institute of Physics and American Chemical Society.

Key words: condensed phase; entropy; evaluated data; heat capacity; organic compounds; phase transitions; WLN.

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## 1. Introduction

This compilation provides heat capacity and entropy data on 5332 individual entries for 2503 discrete organic compounds in the liquid and solid phases. Data on the enthalpies and entropies of phase transitions which have been determined from calorimetric measurements are also included. Over 2200 articles have been examined, evaluated, and referenced.

This compilation is a cumulative collection of two earlier documents published in 1984 and 1990 entitled:

"Heat Capacities and Entropies of Organic Compounds in the Condensed Phase," by E. S. Domalski, W. H. Evans, and E. D. Hearing, *J. Phys. Chem. Ref. Data* **13**, Suppl. 1 (1984)

"Heat Capacities and Entropies of Organic Compounds in the Condensed Phase, Volume II," E.S. Domalski and E.D. Hearing, *J. Phys. Chem. Ref. Data* **19**, 881–1047 (1990)

and also a collection of the pertinent data from the literature through the end of 1993.

Over the period from 1984 through 1993, several large compilations have been published which contain data on the thermodynamic properties of organic compounds in the condensed phase; they are:

"Thermodynamic Properties of Oxygen-Containing Organic Compounds," by I. A. Vasil'ev and V. M. Petrov, Handbook, Leningrad, 240 pages (1984),

"Thermodynamic Properties of Key Organic Oxygen Compounds in the Carbon Range C<sub>1</sub> to C<sub>4</sub>. Part 1. Properties of Condensed Phases," by R. C. Wilhoit, J. Chao, and K. R. Hall, *J. Phys. Chem. Ref. Data* **14**, 1–175 (1985),

"Thermodynamic and Thermophysical Properties of Organic Nitrogen Compounds. Part I. Methanamine, Ethanamine, 1- and 2-Propanamine, Benzenamine, 2-, 3-, and 4-Methylbenzenamine" by J. Chao, N.A.M. Gadalla, B.E. Gammon, K.N. Marsh, A.S. Rodgers, G.R. Somayajulu, and R.C. Wilhoit, *J. Phys. Chem. Ref. Data* **19**, 1547–1615 (1990),

"Thermodynamic and Thermophysical Properties of Organic Nitrogen Compounds. Part II. 1- and 2-Butanamine,

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2-Methyl-1-propanamine, 2-Methyl-2-propanamine, Pyrrole, 1-, 2-, 3-Methylpyrrole, Pyridine, 2-, 3-, and 4-Methylpyridine, Pyrrolidine, Piperidine, Indole, Quinoline, Isoquinoline, Acridine, Carbazole, Phenanthridine, 1- and 2-Naphthalenamine, and 9-Methylcarbazole" by A. Das, M. Frenkel, N.A.M. Gadalla, S. Kudchadker, K.N. Marsh, A.S. Rodgers, and R. C. Wilhoit, *J. Phys. Chem. Ref. Data* **22**, 659–782 (1993).

The latter compilations were useful in assisting us with the completeness of our search of the literature for papers on heat capacities, entropies, and phase transition properties of various organic compounds. The discussions on specific compounds were especially helpful in the assignment of a rating to our evaluation of those data.

## 2. Scope of the Search

Our coverage of the chemical literature extends from 1881 through 1993. References containing data on the heat capacities and entropies of organic compounds in the condensed phase were obtained primarily through searching Chemical Abstracts. Additional references were located through searching the files of the Chemical Thermodynamics Data Center of the National Institute of Standards and Technology and the Bulletin of Chemical Thermodynamics. The original papers were examined to obtain the data which has been tabulated, to determine whether corrections should be applied, and to qualitatively evaluate the reported measurements.

The goal of the search has been to obtain heat capacity and entropy data for organic compounds at "room temperature," however, the temperature range included is 200–450 K. This extended range was chosen so that the user would have, whenever possible, values for temperatures close to room temperature even if the measurement range did not include 298.15 K. Usually, the user can extrapolate such data to 298.15 K or to temperatures outside of the reported range if desired. Values of the enthalpy and entropy of phase transitions—solid/solid, solid/liquid, as well as some solid/gas, and liquid/gas transitions—obtained from calorimetric measurements are included along with the data on heat capacity and entropy. No specific search was made for the transition properties. They are included as a by-product of the search for experimental heat capacity data.

Corrections for relative atomic mass (atomic weight) and energy units have been made, where appropriate. Values have been reported at "298 K" with the ice point taken as 273.1, 273.15, or 273.16 K; the correction for this small change is much less than the precision and accuracy of the data. Some researchers did not provide tabulated values of  $C_p$  and  $S$  as a function of temperature, but gave an equation, such as:  $C_p = A + BT + CT^2$ . In these cases, a value for  $C_p$  and/or  $S$  at 298 K was derived from the equation provided. Some researchers have provided only graphs of  $C_p$  as a function of temperature. For good quality graphs, estimates of  $C_p$  at 298 K were extracted and correspondingly identified. Care was taken to assure that heat capacity data reported in

International Steam Table (IT) energy units were converted to the International System of Units (SI Units). Except for very precise data, corrections involving energy units for most measurements since about 1930 are often within the uncertainty of the data. Older data are of lower precision so the corrections are not needed. In general, transition temperatures are those reported by the investigator. The effort to convert each investigator's temperature scale to the 1990 International Temperature Scale was not warranted.

## 3. Arrangement of the Data

The table of heat capacities, entropies, and phase transitions given in this compilation contains data entries for a variety of organic compounds. The entries here, as in the 1984 and 1990 *J. Phys. Chem. Ref. Data* publication,<sup>1,2</sup> are arranged in the order of the empirical formulae of the compounds; isomers are further separated by their Wiswesser Line Notation.<sup>3</sup> The latter notation system has been used to represent the structure of the organic compound. Under a given organic substance, the data from the pertinent paper are included. The data from each paper form a separate entry complete with identification of the reference source. Where there are several reference entries for a compound, they are arranged chronologically by year. For each entry the data given are: molecular (empirical) formula for the compound physical state, reference code, compound name(s), followed by the values for the heat capacity, entropy, and, where available, phase transition data. The entry of information is completed by the molecular weight (in units of g·mol<sup>-1</sup>) Wiswesser Line Notation for the compound, and an evaluation of the presentation of the experimental results and the quality of the data. The formula given is the empirical formula for the compound; water of hydration is shown as ·(n)H<sub>2</sub>O. The elements are arranged in the order C, H(D, T) followed by the other elements in alphabetical order of their chemical symbols. One or more names are given for each compound. No attempt has been made to conform to a rigorously systematic nomenclature. Common names and systematic names are used; alternate names have been given freely. All names used appear in the Compound Name-Formula Index in Section 8, which should assist the reader who is aware of the compound name but not its empirical formula. This index also contains the Chemical Abstract Service Registry Number (CASRN) for each compound listed. Occasionally, a CASRN is not available due to reasons such as: ambiguous nature of the name of the compound as reported in the literature, partial deuteration of compound, or poorly defined complex formation. The bibliography is provided in Section 9. The reference code is in the form XXAAA/BBBN, where XX are the last two digits of the year of publication of the paper, AAA is the first three letters of the last name of the first author and BBB is the first three letters of the last name of the second author (if present Authors after the first two are disregarded. N is a digit from 2 to 9 used to indicate a second, third, ...paper with the same year and author codes. Thus, 60BRO/SMI2 refers to a paper

by Brown and Smith appearing in 1960, the second one with authors BRO... and SML...; 44JON is a 1944 paper by Jones. The full citation appears in the bibliography arranged according to the reference codes. For papers published before 1900, all four digits for the year are used.

When authors have given a table of smoothed values for the heat capacity, the value at 298 K (interpolated if necessary) or the value nearest to that temperature is given. If experimental measurements are represented only by a smoothing equation, this is used to calculate the value given. If only the unsmoothed experimental results are given by the authors, one of these is given, with the corresponding temperature. Such a selection is accompanied by a remark.

The third-law entropy is given at 298 K or at the temperature closest to this temperature. The value is that obtained by the authors; we have not reintegrated the heat capacity data to re-evaluate the entropy.

Phases are indicated by g, liq, c, c,I, c,II, etc. In general, no attempt has been made to specify the crystalline form of the solid phases; c,I is used for the form stable at the melting point. For each phase transition, the appropriate process, i.e., c/liq, the temperature in kelvins, the enthalpy and entropy change for the isothermal process, and when appropriate, the pressure, are given. The entropy change  $\Delta S$  is taken as  $\Delta H/T$  unless indicated otherwise. Energy values are given in joules and can be related to the thermochemical calorie by the conversion factor: 4.1840 joules equals one thermochemical calorie. Pressures are given in kilopascals; one standard atmosphere is 101.325 kPa.

The molecular weight is based upon the 1991 IUPAC Table of International Atomic Weights.<sup>4</sup> Three exceptions are made; the atomic weights of hydrogen, nitrogen, and fluorine are taken as 1.0079, 14.0067, and 18.9984 rather than 1.00794, 14.00674, and 18.9984032, respectively. When the molecular weight differs from that originally used by the authors, appropriate corrections to the values have been made.

An indication of our general evaluation of the data reported is given as A (high quality), B (good), C (average), and D (low quality). This rating is based upon the method used, the details of the measurements as reported, the number of measurements, purity of the sample, calibrations, and corrections applied to the data; it is intended as a guide to those data we feel are more reliable. In addition, the number of significant figures given for the numerical values indicates roughly the quality of the data. In general, papers that are rated as being of high quality provide a detailed description of the cryostat used, the experimental procedure, the purity and characterization of the sample, calibration results, both raw and smoothed data for the temperature range over which measurements were made, and comment on the precision and accuracy of their data. An absence of numerical or descriptive information, or poor agreement with a detailed and accurate study can lead to a low rating.

All of the names used to identify the compounds are included in the Compound Name–Formula Index with the appropriate empirical formulae. Prefixes such as *tert*-, *ortho*-,

$\alpha$ -, 1,2-, (but not *Iso*) are disregarded in the alphabetization of the names.

The sequencing of the compounds is based on the empirical formula. The formulae are sorted alphabetically by the first atomic symbol, then by the number of atoms of this element present (the Hill Indexing System<sup>5</sup>). As was the practice with the 1984 J. Phys. and Chem. Ref. Data publication,<sup>1</sup> C, carbon, is always the first element. This arranged list of formulae is then sorted by the second atomic symbol (H, hydrogen, if present), and then by the number of atoms of this element. The sorting proceeds alphabetically thereafter for each element present. The following list illustrates this scheme:

C
CCl <sub>4</sub>
CHCl <sub>3</sub>
CH <sub>4</sub>
CO <sub>2</sub>
C <sub>2</sub> Cl <sub>3</sub> O <sub>2</sub>
C <sub>2</sub> H <sub>3</sub> Cl <sub>2</sub>
C <sub>2</sub> H <sub>3</sub> Cl
C <sub>2</sub> H <sub>4</sub>
C <sub>2</sub> H <sub>4</sub> O <sub>2</sub>
C <sub>2</sub> H <sub>6</sub>
C <sub>2</sub> H <sub>6</sub> O

Isomeric compounds are further sorted by their Wiswesser Line Notation:

C <sub>4</sub> H <sub>10</sub> O	2O2	C <sub>2</sub> H <sub>5</sub> OC <sub>2</sub> H <sub>5</sub>
	3O1	C <sub>3</sub> H <sub>7</sub> OCH <sub>3</sub>
Q1Y1&I	(CH <sub>3</sub> ) <sub>2</sub> CHCH <sub>2</sub> OH	
QX1&I&I	(CH <sub>3</sub> ) <sub>3</sub> COH	
QY2&I	C <sub>2</sub> H <sub>5</sub> CH(CH <sub>3</sub> )OH	

#### 4. Definitions

*Heat Capacity.* The heat capacity is defined as the derivative of the energy of the system with respect to the temperature under specified conditions. The heat capacity may be stated as an average value over a temperature range or the limiting value over an infinitesimal temperature change. If the system is maintained at constant volume, the heat capacity,  $C_v$ , is given by the derivative of energy with respect to temperature,

$$C_v = (\partial U / \partial T)_v,$$

where  $U$  is the internal energy.

If the system is maintained at constant pressure, the heat capacity,  $C_p$ , is given by:

$$C_p = (\partial H / \partial T)_p,$$

where  $H$  is the enthalpy.

The values of heat capacity reported in this paper are those at constant pressure and correspond to one mole of a specified substance; the units are thus,  $\text{J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .

Experimentally, the heat capacity,  $C_p$ , is obtained from the enthalpy change at constant pressure over a small temperature change. This value is associated with the temperature at the midpoint of the temperature range:

$$C_p = \Delta H / (T_2 - T_1) \quad \text{at } (T_1 + T_2)/2.$$

Actual heat capacity measurements, or  $C_{\text{sat}}$ , for liquids and solids are normally made with the sample in equilibrium with its own vapor pressure or saturation pressure; the correction from  $C_{\text{sat}}$  to  $C_p$  at the standard pressure, 101.325 kPa (1 atm) is usually negligible for solids and for liquids below their boiling point. For volatile organic compounds in the condensed phase, a correction for the enthalpy of vaporization of the condensed phase as well as the heat capacity of the vapor phase must be applied.

For nonvolatile solid organic compounds, the relationship between  $C_p$  and  $C_{\text{sat}}$  is given by:

$$C_p - C_{\text{sat}} = [T(\partial P / \partial T)_{\text{sat}}][(\partial V / \partial T)_p],$$

where  $(\partial P / \partial T)_{\text{sat}}$  is the slope of the vapor pressure or saturation pressure curve and  $(\partial V / \partial T)_p$  is the volume expansivity of the solid. Again, the magnitude of this correction is usually negligible.

*Entropy.* For totally reversible processes, the entropy change of a system is equal to the amount of heat,  $Q$  absorbed by the system divided by the temperature,  $T$ . For an infinitesimal change in entropy:

$$dS = dQ/T.$$

Entropy and heat capacity are related by the following expressions:

$$(\partial S / \partial T)_v = C_v / T, \quad \text{at constant volume},$$

$$(\partial S / \partial T)_p = C_p / T, \quad \text{at constant pressure},$$

$$(\partial S / \partial T) = C_{\text{sat}} / T, \quad \text{at equilibrium vapor pressure}$$

along the two phase line.

The (calorimetric) entropy is obtained by integration of the measured values of  $C_p / T$  from the lowest temperature of measurement to the reported temperature. Various methods have been used to extrapolate from the lowest experimental temperature to zero kelvin. Appropriate values of the entropies of phase changes must be added. The entropy at zero kelvin is taken as zero for the stable crystalline state, with the addition of residual (zero point) entropy, not removed by the extrapolation, due to non-random ordering, optical isomerism, or multiple electronic ground states for the molecule. Thus,

$$S_T^{\circ} = S^{\circ}(\text{zero point}) + \int_0^{T_1} (C_p / T) dT \quad (\text{extrapolation})$$

$$\begin{aligned} &+ \int_{T_1}^{T_2} (C_p / T) dT + \Delta H_{T_2} / T_2 \quad (\text{phase change}) \\ &+ \int_{T_2}^{T_3} (C_p / T) dT + \Delta H_{T_3} / T_3 \quad (\text{phase change}) \\ &+ \int_{T_3}^T (C_p / T) dT. \end{aligned}$$

For additional discussions on the concept of entropy, the reader should consult Refs. 6 and 7.

*Phase Transitions.* A process by which a substance undergoes a change of physical state, i.e., solid-solid, solid liquid, solid-gas, or liquid-gas, is known as a phase transition or phase change. The phase change is accompanied by transfer of energy (commonly referred to as latent heat) and a change in volume while both temperature and pressure remain constant. For a phase change which is carried out reversibly (i.e., under equilibrium conditions) at a constant temperature and pressure, the total Gibbs energy remains unchanged. If there is an enthalpy (or heat) change, then follows that there will also be an entropy change for the process, because:

$$\Delta H - \Delta ST = 0 \quad \text{or} \quad \Delta S = \Delta H / T.$$

These equations are applicable only for the temperature and pressure at which the phases are in equilibrium. For phase changes solid-solid, solid-liquid, solid-gas, liquid-gas encountered in the accompanying tables in Section I,  $\Delta H$  refers to the isothermal enthalpy change at the transition temperature. Corrections can be applied to the experiment data for premelting effects to isothermal conditions. The pressure, unless specified, is the vapor pressure of the substance at the transition temperature; the correction to a standard state pressure is usually negligible at ordinary pressure; for a solid-solid transition and for fusion. The entropy change is taken as  $\Delta H / T$  at the equilibrium pressure.

Some investigators have reported the measurement of anomalous phase changes in which the volume and entropy are continuous, but the heat capacity is discontinuous. During such phase changes no latent heat is present and the shape of the curve of the heat capacity plotted as a function of temperature often resembles the Greek letter lambda at the transition point. Such a transition is called a "lambda transition." In order to differentiate these anomalous transitions from ordinary phase changes, it has become customary to identify normal phase changes as phase changes of the first order and atypical phase changes as those of the second order. The discontinuity which occurs in a first order phase transition is a commonly observed phenomenon; however, the discontinuity associated with a second order phase transition has been more difficult to identify and/or interpret. Sometimes the discontinuous nature of the heat capacity is questioned in a second order transition because experimental measurements show a peak or a hump at the transition temperature rather than an unambiguous discontinuity. A phase change which is accompanied by changes in the entropy a-

volume and whose first-order derivatives of the Gibbs energy with respect to temperature and pressure change discontinuously is known as a phase change of the first order,

$$S = -(\partial G / \partial T)_P \quad \text{and} \quad V = (\partial G / \partial P)_T.$$

A phase change which is accompanied by changes in the heat capacity, volume expansivity, and isothermal compressibility and whose second order derivatives of the Gibbs energy with respect to temperature and pressure change discontinuously is known as a phase change of the second order;

$$C_p/T = (\partial S / \partial T)_P = -(\partial^2 G / \partial T^2)_P,$$

$$\kappa V = -(\partial V / \partial P)_T = -(\partial^2 G / \partial P^2)_T,$$

$$\beta V = (\partial V / \partial T)_P = (\partial^2 G / \partial T \partial P)_{T,P},$$

where  $\kappa$  is the isothermal compressibility and  $\beta$  is the volume expansivity. The relationship between these quantities and the pressure and temperature is given below by Ehrenfest's Equation.<sup>8</sup>

$$dP/dT = [C_p(f) - C_p(i)]/[TV(\beta(f) - \beta(i))],$$

$$dP/dT = [\beta(f) - \beta(i) - \beta(i)]/[K(f) - K(i)],$$

where  $i$  and  $f$  represent the initial and final states of the phase change.

For additional discussion regarding first and second order phase transitions, the reader should consult Refs. 9, 10, and 11.

## 5. Acknowledgments

The authors thank Nancy W. Young for her assistance in the search, retrieval, and collection of articles containing information pertinent to this compilation.

## 6. References for the Introductory Discussion

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- <sup>3</sup>E. G. Smith and P. A. Baker, "The Wiswesser Line-Formula Chemical Notation (WLN)," Third Edition (Chemical Information Management, Inc., Cherry Hill, NJ, 1975).
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- <sup>9</sup>M. W. Zemansky, *Heat and Thermodynamics*, 4th Edition (McGraw-Hill Book Co., Inc., New York, 1957).
- <sup>10</sup>C. Kittel, *Thermal Physics* (John Wiley and Sons, Inc., New York, 1969).
- <sup>11</sup>C. J. Adkins, *Equilibrium Thermodynamics* (Cambridge University Press, New York, 1983).

## 7. Table of Heat Capacities, Entropies, and Phase Transition Properties

C (c)	34JAC/PAR	C (c)	57DES/TY
Graphite; Carbon, graphite		Graphite, Acheson, irradiated; Carbon, irradiated graphite	
<b>Heat Capacity</b> 293.5 K, $C_p = 8.498 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K, $C_p = 8.937 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 93 to 294 K. Value is unsmoothed experimental datum.		Temperature range 13 to 300 K.	
<b>Entropy</b> 298.1 K, $S = 5.69 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Entropy</b> 298.15 K, $S = 6.243 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Extrapolation below 90 K, $0.761 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ .		<b>Molecular Weight</b> 12.0110	
<b>Molecular Weight</b> 12.0110		<b>Wiswesser Line Notation C</b>	
<b>Wiswesser Line Notation C</b>		<b>Evaluation</b> A	
<b>Evaluation</b> $A(C_p), B(S)$		Stored energy of about $1987 \text{ J}\cdot\text{g}^{-1}$ .	
Diamond; Carbon, diamond	36ROB/FOX	Diamond; Carbon, diamond	58DES/MO
<b>Heat Capacity</b> 295 K, $C_p = 6.081 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 277.68 K, $C_p = 5.3078 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 90 to 320 K. Type 1, homogeneous; $C_p = 5.930 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ for Type 2, mosaic structure.		Temperature range 13 to 277 K. Value is unsmoothed experimental datum.	
<b>Molecular Weight</b> 12.0110		<b>Entropy</b> 100.00 K, $S = 0.0720 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Wiswesser Line Notation C</b>		Agreement with DeSorbo (1953) data above 100 K.	
<b>Evaluation</b> C		<b>Molecular Weight</b> 12.0110	
<b>Wiswesser Line Notation C</b>		<b>Wiswesser Line Notation C</b>	
<b>Evaluation</b> $A(C_p), B(S)$		<b>Evaluation</b> A	
Diamond; Carbon, diamond	38PIT	Diamond; Carbon, diamond	62VII
<b>Heat Capacity</b> 287.96 K, $C_p = 5.669 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K, $C_p = 6.117 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 70 to 288 K. Value is unsmoothed experimental datum.		Temperature range 273 to 1073 K.	
<b>Entropy</b> 298.15 K, $S = 2.448 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Molecular Weight</b> 12.0110	
Extrapolation below 70.8 K, $0.0322 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ .		<b>Wiswesser Line Notation C</b>	
<b>Molecular Weight</b> 12.0110		<b>Evaluation</b> A	
<b>Wiswesser Line Notation C</b>			
<b>Evaluation</b> $A(C_p), B(S)$			
Diamond; Carbon, diamond	53DES	Graphite; Carbon, graphite	65MC1
<b>Heat Capacity</b> 298.16 K, $C_p = 6.1149 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 300 K, $C_p = 8.58 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 25 to 300 K.		Temperature range 298 to 1723 K.	
<b>Entropy</b> 298.16 K, $S = 2.3782 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Molecular Weight</b> 12.0110	
<b>Molecular Weight</b> 12.0110		<b>Wiswesser Line Notation C</b>	
<b>Wiswesser Line Notation C</b>		<b>Evaluation</b> A	
<b>Evaluation</b> B		Special Spectroscopic Electrode Grade SPK.	
Graphite, Acheson; Carbon, graphite	53DES/TYL	Graphite; Carbon, graphite	70LUT/VO
<b>Heat Capacity</b> 298.15 K, $C_p = 8.527 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K, $C_p = 8.979 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 13 to 300 K.		Temperature range 57 to 320 K.	
<b>Entropy</b> 298.15 K, $S = 5.470 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Entropy</b> 298.15 K, $T^2$ extrapolation below 50 K, $S = 5.937 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Molecular Weight</b> 12.0110		<b>Molecular Weight</b> 12.0110	
<b>Wiswesser Line Notation C</b>		<b>Wiswesser Line Notation C</b>	
<b>Evaluation</b> A		<b>Evaluation</b> B	
Graphite; Carbon, graphite	55DES	Graphite; Carbon, graphite	70LUT/VC
<b>Heat Capacity</b> 298.15 K, $C_p = 7.841 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K, $C_p = 8.473 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 17 to 300 K.		Temperature range 52 to 315 K.	
<b>Entropy</b> 298.15 K, $S = 5.3953 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Entropy</b> 298.15 K, $T^2$ extrapolation below 50 K, $S = 5.644 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Molecular Weight</b> 12.0110		<b>Molecular Weight</b> 12.0110	
<b>Wiswesser Line Notation C</b>		<b>Wiswesser Line Notation C</b>	
<b>Evaluation</b> A		<b>Evaluation</b> B	
Sample with density $2.0 \text{ g}\cdot\text{cm}^{-3}$ prepared from petroleum coke at coal tar pitch by heat treatment under pressure at $2400^\circ\text{C}$ . Density $2.1 \text{ g}\cdot\text{cm}^{-3}$ obtained by same process with addition of metal catalysts. Both heat treated at $3000^\circ\text{C}$ .			

<b>C</b> (c)		70LUT/VOL	<b>C</b> (c)		73MAR/VOL
Graphite; Carbon, pyrolytic graphite			Graphite; Carbon, graphite, single-crystal		
<b>Heat Capacity</b> 298.15 K,	$C_p = 8.054 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K,	$C_p = 8.11 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 51 to 311 K.			Temperature range 1 to 3000 K. $C_p = 0.6752 \text{ J}\cdot\text{g}^{-1}\cdot\text{deg}^{-1}$ .		
<b>Entropy</b> 298.15 K,	$S = 5.431 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Entropy</b> 298.15 K,	$S = 5.51 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
$T^2$ extrapolation below 90 K.			$S_f^\circ = 0.4585 \text{ J}\cdot\text{g}^{-1}\cdot\text{deg}^{-1}$ .		
<b>Molecular Weight</b> 12.0110			<b>Molecular Weight</b> 12.0110		
<b>Wiswesser Line Notation</b> C			<b>Wiswesser Line Notation</b> C		
<b>Evaluation</b> B			<b>Evaluation</b> A		
Prepared by deposition from methane on hot graphite surface (2100°C). Heat treated at 3000°C.			Results from an evaluation of literature data.		
<b>C</b> (c)		70LUT/VOL	<b>C</b> (c)		76VOL/BUC
Graphite, natural Taiguinski; Carbon, natural graphite			Diamond; Carbon, diamond		
<b>Heat Capacity</b> 298.15 K,	$C_p = 8.054 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 300 K,	$C_p = 6.57 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 51 to 311 K.			Temperature range 300 to 1200 K. Natural diamond; $C_p$ calculated by extrapolation of value at 350 K.		
<b>Entropy</b> 298.15 K,	$S = 5.431 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Molecular Weight</b> 12.0110		
$T^2$ extrapolation below 50			<b>Wiswesser Line Notation</b> C		
<b>Molecular Weight</b> 12.0110			<b>Evaluation</b> C		
<b>Wiswesser Line Notation</b> C					
<b>Evaluation</b> B					
Values are taken as those of pyrolytic graphite.					
<b>C</b> (c)		70LUT/VOL	<b>C</b> (c)		76VOL/BUC
Carbon, baked; Baked carbon			Diamond; Carbon, diamond		
<b>Heat Capacity</b> 298.15 K,	$C_p = 9.251 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 300 K,	$C_p = 6.61 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 52 to 302 K.			Temperature range 75 to 1200 K. SAM synthetic diamond.		
<b>Entropy</b> 298.15 K,	$S = 6.201 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Molecular Weight</b> 12.0110		
$T^2$ extrapolation below 50 K.			<b>Wiswesser Line Notation</b> C		
<b>Molecular Weight</b> 12.0110			<b>Evaluation</b> C		
<b>Wiswesser Line Notation</b> C					
<b>Evaluation</b> B					
<b>C</b> (amorp)		70TAK/WES	<b>C</b> (c)		76VOL/BUC
Carbon, glassy; Glassy carbon			Diamond; Carbon, diamond		
<b>Heat Capacity</b> 298.15 K,	$C_p = 8.598 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 300 K,	$C_p = 6.37 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 5–350 K.			Temperature range 75 to 1200 K. Ballas synthetic diamond.		
<b>Entropy</b> 298.15 K,	$S = 5.833 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Molecular Weight</b> 12.0110		
Values actually $S - S_0$ ; there may be a residual entropy.			<b>Wiswesser Line Notation</b> C		
<b>Molecular Weight</b> 12.0110			<b>Evaluation</b> C		
<b>Wiswesser Line Notation</b> C					
<b>Evaluation</b> A					
<b>C</b> (c)		72SHE/BEL	<b>C</b> (c)		80TAY/GRO
Graphite; Carbon, graphite			Graphite; Carbon, GPCO graphite		
<b>Heat Capacity</b> 298 K,	$C_p = 8.12 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 300 K,	$C_p = 8.43 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 273 to 3650 K. $C_p$ calculated from equation applicable to the temperature range 273 to 1000 K.			Temperature range 300 to 2400 K.		
<b>Molecular Weight</b> 12.0110			<b>Molecular Weight</b> 12.0110		
<b>Wiswesser Line Notation</b> C			<b>Wiswesser Line Notation</b> C		
<b>Evaluation</b> B			<b>Evaluation</b> A		
<b>C</b> (c)		73BUT/MAD	<b>C</b> (c)		81ISA/WAN
Graphite; Carbon, graphite			Graphite; Carbon, graphite		
<b>Heat Capacity</b> 300 K,	$C_p = 8.6186 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 300 K,	$C_p = 10.05 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 200 to 3500 K. Least squares fit of 'best' data gives: $C_p = 0.538657 + 9.11129 \times 10^{-6} T - 90.2725 T^{-1} - 43449.3 T^{-2} + 1.59309 \times 10^7 T^3 - 1.43688 \times 10^9 T^{-4} \text{ cal}\cdot\text{g}^{-1}\cdot\text{K}^{-1}$ (250 to 3000 K).			Temperature range 80 to 300 K. $C_p = 8.729 \times 10^{-4} T + 6.27 \times 10^{-9} T^2 + 6.309 \times 10^{-9} T^3 \text{ J}\cdot\text{g}^{-1}\cdot\text{K}^{-1}$ . Value calculated from equation.		
<b>Molecular Weight</b> 12.0110			<b>Molecular Weight</b> 12.0110		
<b>Wiswesser Line Notation</b> C			<b>Wiswesser Line Notation</b> C		
<b>Evaluation</b> A			<b>Evaluation</b> B		
Results from an evaluation of literature data.			Poco process graphite: POCO-AXM 5Q1.		
<b>C</b> (c)			<b>C</b> (c)		87DOB/PER
Graphite; Carbon, graphite			Carbon; Graphite		
<b>Heat Capacity</b> 300 K,	$C_p = 10.68 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 350 K,	$C_p = 10.68 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 300 to 1800 K.			Temperature range 300 to 1800 K.		
<b>Molecular Weight</b> 12.0110			<b>Molecular Weight</b> 12.0110		
<b>Wiswesser Line Notation</b> C			<b>Wiswesser Line Notation</b> C		
<b>Evaluation</b> A			POCO AXM-5Q1 graphite.		

<b>C</b>	(c)	90MOR/SMI	<b>CBr<sub>4</sub></b>	(liq)	48KU
	Diamond; Carbon, diamond		Carbon tetrabromide; Tetrabromomethane		
<b>Heat Capacity</b>			<b>Heat Capacity</b>	373 K,	$C_p = 162.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 220 to 740 K. Data given graphically only.			Temperature range 96 to 182 °C. Mean $C_p$ , three temperatures.		
<b>Molecular Weight</b>	12.0110		<b>Molecular Weight</b>	331.6270	
<b>Wiswesser Line Notation</b>	C		<b>Wiswesser Line Notation</b>	EXEEE	
<b>Evaluation</b>	B		<b>Evaluation</b>	D	
Synthetic diamond with C <sup>13</sup> composition of 1.1 and 0.7%.			<b>CCl<sub>2</sub>F<sub>2</sub></b>	(liq)	31BUE/FI
			Dichlorodifluoromethane; Freon 12		
<b>C</b>	(c)	91YIN/LIU	<b>Heat Capacity</b>	290 K,	$C_p = 126.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Graphite; Carbon, graphite			Heat capacity measured at 230 K and 290 K using two different methods. $C_p$ at 230 K is 106.3 J·mol <sup>-1</sup> ·K <sup>-1</sup> .		
<b>Heat Capacity</b>	298 K,	$C_p = 8.23 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Molecular Weight</b>	120.9138	
Temperature range 300 to 420 K. $C_p$ value reported at 298 K is 0.685 J/g·K.			<b>Wiswesser Line Notation</b>	GXGFF	
<b>Molecular Weight</b>	12.0110		<b>Evaluation</b>	C	
<b>Wiswesser Line Notation</b>	C				
<b>Evaluation</b>	B				
<b>CBrCl<sub>3</sub></b>	(liq)	59BEN/THO	<b>CCl<sub>2</sub>O</b>	(liq)	48GIA/JC
Bromotrichloromethane			Carbonyl chloride; Phosgene		
<b>Heat Capacity</b>	298 K,	$C_p = 149.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	280 K,	$C_p = 100.79 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Mean value 25 to 50 °C.			Temperature range 15 to 280 K.		
<b>Molecular Weight</b>	198.2740		<b>Entropy</b>	280.71 K,	$S = 198.11 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Wiswesser Line Notation</b>	GXGGE		A value of $S_0$ of 6.82 J·mol <sup>-1</sup> ·K <sup>-1</sup> has been added to the calorimetric value of $S_{280} - S_0$ .		
<b>Evaluation</b>	C		<b>Phase Changes</b>		
			c/liq	145.37 K,	$\Delta H = 5736 \text{ J}\cdot\text{mol}^{-1}$
					$\Delta S = 39.46 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
			liq/g	280.71 K,	$\Delta H = 24401 \text{ J}\cdot\text{mol}^{-1}$
					$\Delta S = 86.93 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
					$P = 101.325 \text{ kPa}$
<b>CBrF<sub>3</sub></b>	(liq)	84STO/CHA	<b>Molecular Weight</b>	98.9164	
Dromotrifluoromethane			<b>Wiswesser Line Notation</b>	GVG	
<b>Heat Capacity</b>	293 K,	$C_p = 163.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Evaluation</b>	A	
Temperature range 163 to 293 K.					
<b>Molecular Weight</b>	148.9102				
<b>Wiswesser Line Notation</b>	FXEFF				
<b>Evaluation</b>	C				
<b>CBr<sub>4</sub></b>	(c)	39FRE/HIL	<b>CCl<sub>2</sub>O</b>	(liq)	60GIA/O*
Carbon tetrabromide; Tetrabromomethane			Carbonyl chloride; Phosgene		
<b>Heat Capacity</b>	298 K,	$C_p = 148.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	160.55 K,	$C_p = 102.59 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 298 to 423 K.			Temperature range 13 to 160 K. Value is unsmoothed experimental datum.		
<b>Phase Changes</b>			<b>Entropy</b>	280.76 K,	$S = 192.80 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c,II/c,I	320.0 K,	$\Delta H = 5941 \text{ J}\cdot\text{mol}^{-1}$	Data for liquid from 48GIA/JON.		
		$\Delta S = 18.57 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Phase Changes</b>		
c,I/liq	363.2 K.	$\Delta H = 3954 \text{ J}\cdot\text{mol}^{-1}$	c,III/liq	139.19 K,	$\Delta H = 4732 \text{ J}\cdot\text{mol}^{-1}$
		$\Delta S = 10.89 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			$\Delta S = 34.00 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b>	331.6270		c,II/liq	142.09 K,	$\Delta H = 5586 \text{ J}\cdot\text{mol}^{-1}$
<b>Wiswesser Line Notation</b>	EXEEE				$\Delta S = 39.31 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Evaluation</b>	B		c,I/liq	145.37 K,	$\Delta H = 5745 \text{ J}\cdot\text{mol}^{-1}$
					$\Delta S = 39.52 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>CBr<sub>4</sub></b>	(c)	56MAR/STA	<b>Molecular Weight</b>	98.9164	
Carbon tetrabromide; Tetrabromomethane			<b>Wiswesser Line Notation</b>	GVG	
<b>Heat Capacity</b>	300.6 K,	$C_p = 128.66 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Evaluation</b>	A	
Temperature range 22 to 84 °C.			<b>CCl<sub>3</sub>F</b>	(liq)	40BEN/MC
<b>Phase Changes</b>			Fluorotrifluoromethane; Freon 11		
c,II/c,I	320.0 K,	$\Delta H = 6669 \text{ J}\cdot\text{mol}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p = 126.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
		$\Delta S = 20.84 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	Temperature range 261 to 347 K. Data calculated from equation.		
<b>Molecular Weight</b>	331.6270		<b>Molecular Weight</b>	137.3684	
<b>Wiswesser Line Notation</b>	EXEEE		<b>Wiswesser Line Notation</b>	GXFGG	
<b>Evaluation</b>	B		<b>Evaluation</b>	B	
<b>CBr<sub>4</sub></b>	(c)	84BIC/MIN			
Carbon tetrabromide; Tetrabromomethane					
<b>Heat Capacity</b>	298.15 K,	$C_p = 145.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
One temperature. $C_p$ given as 0.44 J·K <sup>-1</sup> ·g <sup>-1</sup> .					
<b>Molecular Weight</b>	331.6270				
<b>Wiswesser Line Notation</b>	EXEEE				
<b>Evaluation</b>	B				

# HEAT CAPACITIES AND ENTROPIES OF ORGANIC COMPOUNDS

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<b>CCl<sub>3</sub>F</b> (liq)		41OSB/GAR	<b>CCl<sub>4</sub></b> (liq)		32RIC/WAL
Fluorotrichloromethane; Freon 11			Carbon tetrachloride; Tetrachloromethane		
<b>Heat Capacity</b> 298.15 K,	$C_p = 121.55 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 298.1 K,	$C_p = 130.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 15 to 290 K. Value for saturated liquid.			Temperature range 293 to 323 K.		
<b>Entropy</b> 298.15 K,	$S = 225.60 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Molecular Weight</b> 153.8230		
Value for saturated liquid.			<b>Wiswesser Line Notation</b> GXGGG		
<b>Phase Changes</b>			<b>Evaluation</b> C		
c/liq	162.68 K,	$\Delta H = 6893.6 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 42.38 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
liq/g	290.40 K,	$\Delta H = 25209 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 86.81 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ $P = 80.33 \text{ kPa}$			
<b>Molecular Weight</b> 137.3684					
<b>Wiswesser Line Notation</b> GXFGG					
<b>Evaluation</b> A					
<b>CCl<sub>3</sub>F</b> (liq)		82MAR	<b>CCl<sub>4</sub></b> (liq)		34KOL/UDO2
Fluorotrichloromethane; Freon 11			Carbon tetrachloride; Tetrachloromethane		
<b>Phase Changes</b>			<b>Heat Capacity</b> 288.3 K,	$C_p = 126.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
c/liq	165.4 K,	$\Delta H = 7900 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 47.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	One temperature.		
<b>Molecular Weight</b> 137.3684			<b>Molecular Weight</b> 153.8230		
<b>Wiswesser Line Notation</b> GXFGG			<b>Wiswesser Line Notation</b> GXGGG		
<b>Evaluation</b> C			<b>Evaluation</b> C		
<b>CCl<sub>3</sub>F</b> (liq)		92WIR/BRA2	<b>CCl<sub>4</sub></b> (liq)		37STU
Fluorotrichloromethane; Freon 11			Carbon tetrachloride; Tetrachloromethane		
<b>Heat Capacity</b> 303.15 K,	$C_p = 122.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 298.1 K,	$C_p = 132.63 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 288 to 503 K. $p=0.6 \text{ MPa}$ .			Temperature range 90 to 320 K.		
<b>Molecular Weight</b> 137.3684			<b>Entropy</b> 298.1 K,	$S = 219.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Wiswesser Line Notation</b> GXFGG			Extrapolation below 91 K; $74.31 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ .		
<b>Evaluation</b> A			<b>Phase Changes</b>		
<b>CCl<sub>4</sub></b> (liq)		22LAT	c,II/c,I	$225.63 \text{ K}, \Delta H = 4602 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 26.40 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Carbon tetrachloride; Tetrachloromethane			c,I/liq	$250.37 \text{ K}, \Delta H = 2431 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 9.71 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Heat Capacity</b> 290 K,	$C_p = 133.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Molecular Weight</b> 153.8230		
Temperature range 39.1 to 290 K.			<b>Wiswesser Line Notation</b> GXGGG		
<b>Entropy</b> 298 K,	$S = 205.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Evaluation</b> B( $C_p$ ), C(S)		
<b>Phase Changes</b>			<b>CCl<sub>4</sub></b> (liq)		37VOL
c,II/c,I	224.6 K,	$\Delta H = 4600 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 20.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	Carbon tetrachloride; Tetrachloromethane		
c,I/liq	249 K,	$\Delta H = 2694 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 10.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b> 298 K,	$C_p = 133.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Molecular Weight</b> 153.8230			One temperature.		
<b>Wiswesser Line Notation</b> GXGGG			<b>Molecular Weight</b> 153.8230		
<b>Evaluation</b> B			<b>Wiswesser Line Notation</b> GXGGG		
<b>CCl<sub>4</sub></b> (liq)		24WIL/DAN	<b>Evaluation</b> B		
Carbon tetrachloride; Tetrachloromethane			<b>CCl<sub>4</sub></b> (liq)		37VOL
<b>Heat Capacity</b> 303 K,	$C_p = 128.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		Carbon tetrachloride; Tetrachloromethane		
Temperature range 303 to 330 K. Equation only.			<b>Heat Capacity</b> 298 K,	$C_p = 133.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Molecular Weight</b> 153.8230			One temperature. $C_p$ given as $0.2066 \text{ cal}\cdot\text{deg}^{-1}\cdot\text{gram}^{-1}$ .		
<b>Wiswesser Line Notation</b> GXGGG			<b>Molecular Weight</b> 153.8230		
<b>Evaluation</b> C			<b>Wiswesser Line Notation</b> GXGGG		
<b>CCl<sub>4</sub></b> (liq)		25WIL/DAN	<b>Evaluation</b> B		
Carbon tetrachloride; Tetrachloromethane			<b>CCl<sub>4</sub></b> (liq)		39PHI
<b>Heat Capacity</b> 293.2 K,	$C_p = 128.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		Carbon tetrachloride; Tetrachloromethane		
Temperature range 20 to 50 °C.			<b>Heat Capacity</b> 301.2 K,	$C_p = 133.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Molecular Weight</b> 153.8230			One temperature.		
<b>Wiswesser Line Notation</b> GXGGG			<b>Molecular Weight</b> 153.8230		
<b>Evaluation</b> B			<b>Wiswesser Line Notation</b> GXGGG		
<b>Evaluation</b> C			<b>Evaluation</b> C		

$\text{CCl}_4$ (liq)		41ZHD	$\text{CCl}_4$ (liq)		70CHA/W
Carbon tetrachloride; Tetrachloromethane			Carbon tetrachloride; Tetrachloromethane		
<b>Heat Capacity</b> 298.1 K,	$C_p = 132.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Phase Changes</b>		
Temperature range 5 to 46 °C.		c,II/c,I	225.35 K,	$\Delta H = 4581 \text{ J}\cdot\text{mol}^{-1}$	
<b>Molecular Weight</b> 153.8230		c,I/liq	250.3 K,	$\Delta S = 20.33 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Wiswesser Line Notation</b> GXGGG				$\Delta H = 2515 \text{ J}\cdot\text{mol}^{-1}$	
<b>Evaluation</b> C				$\Delta S = 10.04 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
$\text{CCl}_4$ (liq)		44HIC/HOO	<b>Molecular Weight</b> 153.8230		
Carbon tetrachloride; Tetrachloromethane			<b>Wiswesser Line Notation</b> GXGGG		
<b>Heat Capacity</b> 298.15 K,	$C_p = 131.67 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Evaluation</b> A		
Temperature range 15 to 300 K.					
<b>Entropy</b> 298.15 K,	$S = 214.39 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$				
<b>Phase Changes</b>					
c,II/c,I	225.35 K,	$\Delta H = 4582 \text{ J}\cdot\text{mol}^{-1}$			
		$\Delta S = 20.33 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
c,I/liq	250.3 K,	$\Delta H = 2515 \text{ J}\cdot\text{mol}^{-1}$			
		$\Delta S = 10.05 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
<b>Molecular Weight</b> 153.8230					
<b>Wiswesser Line Notation</b> GXGGG					
<b>Evaluation</b> A					
$\text{CCl}_4$ (liq)		48KUR	$\text{CCl}_4$ (c)		71ATA/C
Carbon tetrachloride; Tetrachloromethane			Carbon tetrachloride; Tetrachloromethane		
<b>Heat Capacity</b> 298 K,	$C_p = 128.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 46 K,	$C_p = 44.22 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range -20 to 72 °C. Mean $C_p$ , four temperatures.			Temperature range 3 to 46 K.		
<b>Molecular Weight</b> 153.8230			<b>Molecular Weight</b> 153.8230		
<b>Wiswesser Line Notation</b> GXGGG			<b>Wiswesser Line Notation</b> GXGGG		
<b>Evaluation</b> D			<b>Evaluation</b> A		
$\text{CCl}_4$ (liq)		55STA/TUP	$\text{CCl}_4$ (liq)		71DES/B
Carbon tetrachloride; Tetrachloromethane			Carbon tetrachloride; Tetrachloromethane		
<b>Heat Capacity</b> 298 K,	$C_p = 132.59 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 298 K,	$C_p = 131.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 295 to 339 K.			Temperature range 298 to 318 K.		
<b>Molecular Weight</b> 153.8230			<b>Molecular Weight</b> 153.8230		
<b>Wiswesser Line Notation</b> GXGGG			<b>Wiswesser Line Notation</b> GXGGG		
<b>Evaluation</b> B			<b>Evaluation</b> B		
$\text{CCl}_4$ (liq)		57HAR/MOE	$\text{CCl}_4$ (liq)		72ARE/M
Carbon tetrachloride; Tetrachloromethane			Carbon tetrachloride; Tetrachloromethane		
<b>Heat Capacity</b> 300 K,	$C_p = 130.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 256.10 K,	$C_p = 131.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 243 to 303 K.			Temperature range 243 to 256 K. Value is unsmoothed experime		
<b>Molecular Weight</b> 153.8230			datum.		
<b>Wiswesser Line Notation</b> GXGGG			<b>Phase Changes</b>		
<b>Evaluation</b> B			c,II/liq	245.70 K,	$\Delta H = 1848 \text{ J}\cdot\text{mol}^{-1}$
					$\Delta S = 7.52 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
$\text{CCl}_4$ (liq)		57HAR/MOE	c,I/liq	250.28 K,	$\Delta H = 2588 \text{ J}\cdot\text{mol}^{-1}$
Carbon tetrachloride; Tetrachloromethane					$\Delta S = 10.22 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Heat Capacity</b> 303 K,	$C_p = 130.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		Stable phase.		
Temperature range 254 to 303 K. Unsmoothed experimental datum.			<b>Molecular Weight</b> 153.8230		
<b>Molecular Weight</b> 153.8230			<b>Wiswesser Line Notation</b> GXGGG		
<b>Wiswesser Line Notation</b> GXGGG			<b>Evaluation</b> A		
<b>Evaluation</b> C					
$\text{CCl}_4$ (liq)		67RAS/GAN	$\text{CCl}_4$ (liq)		73SUB/F
Carbon tetrachloride; Tetrachloromethane			Carbon tetrachloride; Tetrachloromethane		
<b>Heat Capacity</b> 293 K,	$C_p = 131.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K,	$C_p = 130.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 293 to 333 K.			Temperature range 298 to 323 K.		
<b>Molecular Weight</b> 153.8230			<b>Molecular Weight</b> 153.8230		
<b>Wiswesser Line Notation</b> GXGGG			<b>Wiswesser Line Notation</b> GXGGG		
<b>Evaluation</b> C			<b>Evaluation</b> B		
$\text{CCl}_4$ (liq)			$\text{CCl}_4$ (liq)		74WIL/I
Carbon tetrachloride; Tetrachloromethane			Carbon tetrachloride; Tetrachloromethane		
<b>Heat Capacity</b> 293.15 K,	$C_p = 131.66 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 293.15 K,	$C_p = 131.66 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 273 to 323 K.			Temperature range 273 to 323 K.		
<b>Molecular Weight</b> 153.8230			<b>Molecular Weight</b> 153.8230		
<b>Wiswesser Line Notation</b> GXGGG			<b>Wiswesser Line Notation</b> GXGGG		
<b>Evaluation</b> C			<b>Evaluation</b> B		
$\text{CCl}_4$ (liq)			$\text{CCl}_4$ (liq)		75GRO/F
Carbon tetrachloride; Tetrachloromethane			Carbon tetrachloride; Tetrachloromethane		
<b>Heat Capacity</b> 298.15 K,	$C_p = 131.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K,	$C_p = 131.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
One temperature.			One temperature.		
<b>Molecular Weight</b> 153.8230			<b>Molecular Weight</b> 153.8230		
<b>Wiswesser Line Notation</b> GXGGG			<b>Wiswesser Line Notation</b> GXGGG		
<b>Evaluation</b> C			<b>Evaluation</b> B		

$\text{CCl}_4$ (liq)		76FOR/BEN	$\text{CCl}_4$ (liq)		79GRO/HAM
Carbon tetrachloride; Tetrachloromethane			Carbon tetrachloride; Tetrachloromethane		
<b>Heat Capacity</b> 298.15 K,	$C_p = 131.36 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K,	$C_p = 131.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
One temperature.			One temperature.		
<b>Molecular Weight</b> 153.8230			<b>Molecular Weight</b> 153.8230		
<b>Wiswesser Line Notation</b> GXGGG			<b>Wiswesser Line Notation</b> GXGGG		
<b>Evaluation</b>	B		<b>Evaluation</b>	B	
$\text{CCl}_4$ (liq)		76FOR/BEN2	$\text{CCl}_4$ (liq)		81ATA/ELS
Carbon tetrachloride; Tetrachloromethane			Carbon tetrachloride; Tetrachloromethane		
<b>Heat Capacity</b> 298.15 K,	$C_p = 131.401 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 293.15 K,	$C_p = 129.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
One temperature.			One temperature.		
<b>Molecular Weight</b> 153.8230			<b>Molecular Weight</b> 153.8230		
<b>Wiswesser Line Notation</b> GXGGG			<b>Wiswesser Line Notation</b> GXGGG		
<b>Evaluation</b>	A		<b>Evaluation</b>	B	
$\text{CCl}_4$ (liq)		76MOR/RIC	$\text{CCl}_4$ (liq)		82TAN
Carbon tetrachloride; Tetrachloromethane			Carbon tetrachloride; Tetrachloromethane		
<b>Phase Changes</b>			<b>Heat Capacity</b> 298.15 K,	$C_p = 131.34 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
c,II/c,I	225.7 K,	$\Delta H = 4631 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 20.52 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	Temperature range 293.15, 298.15, 303.15 K. Data at three temperatures.		
(c,II/c,Ib)	250.53 K,	$\Delta H = 2562 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 10.226 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Molecular Weight</b> 153.8230		
c,I/liq			<b>Wiswesser Line Notation</b> GXGGG		
(c,Ib/liq). Data also given for (c,Ia/liq):	246.00 K,	$\Delta H = 1830 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 7.44 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Evaluation</b>	A	
<b>Molecular Weight</b> 153.8230			$\text{CCl}_4$ (liq)		85NKL/CHA
<b>Wiswesser Line Notation</b> GXGGG			Carbon tetrachloride; Tetrachloromethane		
<b>Evaluation</b>	A		<b>Heat Capacity</b> 298.15 K,	$C_p = 132.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
$\text{CCl}_4$ (liq)		77VES/SVO	Temperature		
Carbon tetrachloride; Tetrachloromethane			One temperature.		
<b>Heat Capacity</b> 298.15 K,	$C_p = 131.40 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Molecular Weight</b> 153.8230		
Temperature range 298 to 318 K.			<b>Wiswesser Line Notation</b> GXGGG		
<b>Molecular Weight</b> 153.8230			<b>Evaluation</b>	B	
<b>Wiswesser Line Notation</b> GXGGG			$\text{CCl}_4$ (liq)		89LAI/ROD
<b>Evaluation</b>	B		Carbon tetrachloride; Tetrachloromethane		
$\text{CCl}_4$ (liq)		78GRO/WIL	<b>Heat Capacity</b> 298.15 K,	$C_p = 133.35 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Carbon tetrachloride; Tetrachloromethane			One temperature.		
<b>Heat Capacity</b> 298.15 K,	$C_p = 131.57 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Molecular Weight</b> 153.8230		
One temperature.			<b>Wiswesser Line Notation</b> GXGGG		
<b>Molecular Weight</b> 153.8230			<b>Evaluation</b>	B	
<b>Wiswesser Line Notation</b> GXGGG			$\text{CCl}_4$ (liq)		89PET/PES
<b>Evaluation</b>	B		Carbon tetrachloride; Tetrachloromethane		
$\text{CCl}_4$ (liq)		79VES/ZAB	<b>Heat Capacity</b> 298.15 K,	$C_p = 133.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Carbon tetrachloride; Tetrachloromethane			Temperature range 258.15, 278.15, 298.15, 318.15 K.		
<b>Heat Capacity</b> 298.15 K,	$C_p = 131.40 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Molecular Weight</b> 153.8230		
One temperature:			<b>Wiswesser Line Notation</b> GXGGG		
<b>Molecular Weight</b> 153.8230			<b>Evaluation</b>	B	
<b>Wiswesser Line Notation</b> GXGGG			$\text{CCl}_4$ (liq)		93SHE
<b>Evaluation</b>	B		Carbon tetrachloride; Tetrachloromethane		
$\text{CCl}_4$ (liq)		79WIL/FAR	<b>Heat Capacity</b> 298.15 K,	$C_p = 131.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Carbon tetrachloride; Tetrachloromethane			One temperature.		
<b>Heat Capacity</b> 298.15 K,	$C_p = 131.36 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Molecular Weight</b> 153.8230		
One temperature.			<b>Wiswesser Line Notation</b> GXGGG		
<b>Molecular Weight</b> 153.8230			<b>Evaluation</b>	B	
<b>Wiswesser Line Notation</b> GXGGG					
<b>Evaluation</b>	B				

<b>CF<sub>4</sub></b> (liq)		58KOS/SAM	<b>CHBr<sub>3</sub></b> (liq)		84GOL/KC
Carbon tetrafluoride; Tetrafluoromethane; Freon 14			Tribromomethane; Bromoform		
<b>Phase Changes</b>			<b>Phase Changes</b>		
c,II/c,I	76.09 K,	$\Delta H=1734.3 \text{ J}\cdot\text{mol}^{-1}$	c/liq	281.84 K,	$\Delta H=11046 \text{ J}\cdot\text{mol}^{-1}$
		$\Delta S=21.38 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			$\Delta S=39.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c,I/liq	88.44 K,	$\Delta H=693.71 \text{ J}\cdot\text{mol}^{-1}$	<b>Molecular Weight</b>	252.7309	
		$\Delta S=7.74 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Wiswesser Line Notation</b>	EYEE	
<b>Molecular Weight</b>	88.0046		<b>Evaluation</b>	A	
<b>Wiswesser Line Notatio</b>	FXFFF				
<b>Evaluation</b>	A				
<b>CF<sub>4</sub></b> (liq)		69ENO/SHI2	<b>CHClF<sub>2</sub></b> (liq)		40BEN/MC
Carbon tetrafluoride; Tetrafluoromethane; Freon 14			Chlorodifluoromethane; Freon 22		
<b>Heat Capacity</b>			<b>Heat Capacity</b>	298.15 K,	$C_p=114.10 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 4 to 100 K.			Temperature range	256 to 328 K.	Data calculated from equation.
<b>Phase Changes</b>			<b>Molecular Weight</b>	86.4687	
c,II/c,I	76.09 K,	$\Delta H=1462.3 \text{ J}\cdot\text{mol}^{-1}$	<b>Wiswesser Line Notation</b>	GYFF	
		$\Delta S=19.20 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Evaluation</b>	B	
c,I/liq	89.529 K,	$\Delta H=705.4 \text{ J}\cdot\text{mol}^{-1}$			
		$\Delta S=7.87 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
<b>Molecular Weight</b>	88.0046		<b>CHClF<sub>2</sub></b> (liq)		57NEI/W
<b>Wiswesser Line Notatio</b>	FXFFF		Chlorodifluoromethane; Freon 22		
<b>Evaluation</b>	A		<b>Heat Capacity</b>	232.50 K,	$C_p=93.01 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
			Temperature range	16 to 230 K.	
<b>Phase Changes</b>			<b>Entropy</b>	232.50 K,	$S=179.91 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c,II/c,I	76.27 K,	$\Delta H=1709.2 \text{ J}\cdot\text{mol}^{-1}$	<b>Phase Changes</b>		
		$\Delta S=22.41 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	c,II/c,I	59 K,	$\Delta H=67 \text{ J}\cdot\text{mol}^{-1}$
c,I/liq	89.56 K,	$\Delta H=712.1 \text{ J}\cdot\text{mol}^{-1}$			$\Delta S=1.14 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
		$\Delta S=7.95 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	c,I/liq	115.73 K,	$\Delta H=4123.3 \text{ J}\cdot\text{mol}^{-1}$
liq/g	145.12 K,	$\Delta H=11814 \text{ J}\cdot\text{mol}^{-1}$			$\Delta S=35.63 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
		$\Delta S=81.41 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	liq/g	232.50 K,	$\Delta H=20217 \text{ J}\cdot\text{mol}^{-1}$
		$P=101.325 \text{ kPa.}$			$\Delta S=86.95 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b>	88.0046				$P=101.325 \text{ kPa.}$
<b>Wiswesser Line Notatio</b>	FXFFF		<b>Molecular Weight</b>	86.4687	
<b>Evaluation</b>	A		<b>Wiswesser Line Notation</b>	GYFF	
<b>(CH)<sub>n</sub></b> (c)		69SMI/PAC2	<b>Evaluation</b>	A	
Polyacetylene			<b>CHCl<sub>2</sub>F</b> (liq)		40BEN/MC
<b>Heat Capacity</b>	300 K,	$C_p=60 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	Dichlorofluoromethane; Freon 21		
Temperature range 60 to 300 K. Cis isomer. $C_p=40 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ for trans isomer. Data given graphically. Data estimated from graph.			<b>Heat Capacity</b>	298.15 K,	$C_p=112.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b>	13.0189		Temperature range	261 to 338 K.	Data calculated from equation.
<b>Wiswesser Line Notatio</b>	/*YUY*/		<b>Molecular Weight</b>	102.9233	
<b>Evaluation</b>	D		<b>Wiswesser Line Notation</b>	GYGF	
<b>CHBr<sub>3</sub></b> (liq)		83LEI/KAH	<b>Evaluation</b>	B	
Tribromomethane; Bromoform			<b>CHCl<sub>3</sub></b> (liq)		24WIL/D <sub>4</sub>
<b>Heat Capacity</b>	298 K,	$C_p=135.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	Trichloromethane; Chloroform		
One temperature.			<b>Heat Capacity</b>	303 K,	$C_p=116.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b>	252.7309		Temperature range	295 to 315 K.	Equation only.
<b>Wiswesser Line Notatio</b>	EYEE		<b>Molecular Weight</b>	119.3779	
<b>Evaluation</b>	B		<b>Wiswesser Line Notation</b>	GYGG	
<b>CHBr<sub>3</sub></b> (liq)		32TRE	<b>Evaluation</b>	C	
Tribromomethane; Bromoform			<b>CHCl<sub>3</sub></b> (liq)		25WIL/D <sub>4</sub>
<b>Heat Capacity</b>	298 K,	$C_p=130.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	Trichloromethane; Chloroform		
Temperature range 9 to 147 °C. Mean $C_p$ , four temperatures.			<b>Heat Capacity</b>	293.2 K,	$C_p=115.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b>	252.7309		Temperature range	20 to 50 °C.	
<b>Wiswesser Line Notatio</b>	EYEE		<b>Molecular Weight</b>	119.3779	
<b>Evaluation</b>	D		<b>Wiswesser Line Notation</b>	GYGG	
			<b>Evaluation</b>	B	

<b>CHCl<sub>3</sub></b> (liq)		32RIC/WAL	<b>CHCl<sub>3</sub></b> (liq)		81ING/CAS
Trichloromethane; Chloroform			Trichloromethane; Chloroform		
<b>Heat Capacity</b> 298.1 K,	$C_p = 113.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K,	$C_p = 114.26 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 293 to 323 K.			One temperature.		
<b>Molecular Weight</b> 119.3779			<b>Molecular Weight</b> 119.3779		
<b>Wiswesser Line Notation</b> GYGG			<b>Wiswesser Line Notation</b> GYGG		
<b>Evaluation</b> C			<b>Evaluation</b> B		
<b>CHCl<sub>3</sub></b> (liq)		39PHI	<b>CHCl<sub>3</sub></b> (liq)		85HEP/KOO
Trichloromethane; Chloroform			Trichloromethane; Chloroform		
<b>Heat Capacity</b> 303.6 K,	$C_p = 139.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K,	$C_p = 113.73 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
One temperature.			One temperature.		
<b>Molecular Weight</b> 119.3779			<b>Molecular Weight</b> 119.3779		
<b>Wiswesser Line Notation</b> GYGG			<b>Wiswesser Line Notation</b> GYGG		
<b>Evaluation</b> C			<b>Evaluation</b> B		
<b>CHCl<sub>3</sub></b> (liq)		48KUR	<b>CHCl<sub>3</sub></b> (liq)		86ALP/PES
Trichloromethane; Chloroform			Trichloromethane; Chloroform		
<b>Heat Capacity</b> 298 K,	$C_p = 117.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K,	$C_p = 115.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range -52 to 51 °C. Mean $C_p$ , four temperatures.			One temperature.		
<b>Molecular Weight</b> 119.3779			<b>Molecular Weight</b> 119.3779		
<b>Wiswesser Line Notation</b> GYGG			<b>Wiswesser Line Notation</b> GYGG		
<b>Evaluation</b> D			<b>Evaluation</b> B		
<b>CHCl<sub>3</sub></b> (liq)		55STA/TUP	<b>CHCl<sub>3</sub></b> (liq)		87GRO/ROU
Trichloromethane; Chloroform			Trichloromethane; Chloroform		
<b>Heat Capacity</b> 298 K,	$C_p = 114.18 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K,	$C_p = 113.85 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 284 to 329 K.			One temperature.		
<b>Molecular Weight</b> 119.3779			<b>Molecular Weight</b> 119.3779		
<b>Wiswesser Line Notation</b> GYGG			<b>Wiswesser Line Notation</b> GYGG		
<b>Evaluation</b> B			<b>Evaluation</b> B		
<b>CHCl<sub>3</sub></b> (liq)		57HAR/MOE	<b>CHCl<sub>3</sub></b> (liq)		89BAR/KOO
Trichloromethane; Chloroform			Trichloromethane; Chloroform		
<b>Heat Capacity</b> 300 K,	$C_p = 113.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K,	$C_p = 114.35 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 243 to 303 K.			One temperature.		
<b>Molecular Weight</b> 119.3779			<b>Molecular Weight</b> 119.3779		
<b>Wiswesser Line Notation</b> GYGG			<b>Wiswesser Line Notation</b> GYGG		
<b>Evaluation</b> B			<b>Evaluation</b> B		
<b>CHCl<sub>3</sub></b> (liq)		57HAR/MOE	<b>CHCl<sub>3</sub></b> (liq)		89BAR/KOO2
Trichloromethane; Chloroform			Trichloromethane; Chloroform		
<b>Heat Capacity</b> 303.2 K,	$C_p = 114.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K,	$C_p = 114.32 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 245 to 303 K. Unsmoothed experimental datum.			One temperature.		
<b>Molecular Weight</b> 119.3779			<b>Molecular Weight</b> 119.3779		
<b>Wiswesser Line Notation</b> GYGG			<b>Wiswesser Line Notation</b> GYGG		
<b>Evaluation</b> C			<b>Evaluation</b> B		
<b>CHCl<sub>3</sub></b> (liq)		67RAS/GAN	<b>CHCl<sub>3</sub></b> (liq)		89PET/PES
Trichloromethane; Chloroform			Trichloromethane; Chloroform		
<b>Heat Capacity</b> 293 K,	$C_p = 116.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K,	$C_p = 115.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 293 to 333 K.			Temperature range 258.15, 278.15, 298.15, 318.15 K.		
<b>Molecular Weight</b> 119.3779			<b>Molecular Weight</b> 119.3779		
<b>Wiswesser Line Notation</b> GYGG			<b>Wiswesser Line Notation</b> GYGG		
<b>Evaluation</b> C			<b>Evaluation</b> B		
<b>CHCl<sub>3</sub></b> (liq)			<b>CHCl<sub>3</sub></b> (liq)		93GRO/ROU
Trichloromethane; Chloroform			Trichloromethane; Chloroform		
<b>Heat Capacity</b> 298.15 K,			<b>Heat Capacity</b> 298.15 K,	$C_p = 114.25 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
One temperature.			One temperature.		
<b>Molecular Weight</b> 119.3779			<b>Molecular Weight</b> 119.3779		
<b>Wiswesser Line Notation</b> GYGG			<b>Wiswesser Line Notation</b> GYGG		
<b>Evaluation</b> B			<b>Evaluation</b> B		

<b>CHCl<sub>3</sub></b> (liq)		93SHE	<b>CHN</b> (liq)	39GIA/RU
Trichloromethane; Chloroform			Hydrogen cyanide	
<b>Heat Capacity</b> 298.15 K, One temperature.	$C_p = 113.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 300 K, Temperature range 15 to 300 K.	$C_p = 71.00 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b> 119.3779			<b>Entropy</b> 298.86 K,	$S = 113.01 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Wiswesser Line Notation</b> GYGG			<b>Phase Changes</b>	
<b>Evaluation</b> B			near 170 K,	$\Delta H = 15.9 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 0.092 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
 			Second order transition.	
<b>CHF<sub>3</sub>S</b> (liq)		60DIN/PAC	c/liq 259.90 K,	$\Delta H = 8406 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 32.34 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Trifluoromethanethiol			liq/g 298.85 K,	$\Delta H = 25217 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 84.38 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Heat Capacity</b> 235 K, Temperature range 12 to 227 K.	$C_p = 113.09 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			$P = 101.325 \text{ kPa.}$
<b>Entropy</b> 235.15 K,	$S = 204.60 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		 	
<b>Phase Changes</b>			<b>Molecular Weight</b> 27.0256	
c/liq 116.04 K,	$\Delta H = 4925 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 42.43 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Wiswesser Line Notation</b> NCH	
 			<b>Evaluation</b> A	
<b>Molecular Weight</b> 102.0741			 	
<b>Wiswesser Line Notation</b> HSXFFF			 	
<b>Evaluation</b> A			 	
<b>CHF<sub>3</sub></b> (liq)		62VAL/BRO	<b>CHNaO<sub>2</sub></b> (c)	60WES/CH
Trifluoromethane; Fluoroform; Freon 23			Sodium methanoate; Sodium formate	
<b>Heat Capacity</b> 190.97 K, Temperature range 15 to 190.97 K.	$C_p = 86.44 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K, Temperature range 5 to 350 K.	$C_p = 87.68 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Entropy</b> 190.97 K,	$S = 151.04 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Entropy</b> 298.15 K,	$S = 103.76 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Phase Changes</b>			<b>Molecular Weight</b> 68.0075	
c/liq 117.97 K,	$\Delta H = 4058 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 34.40 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Wiswesser Line Notation</b> VHO .NA	
liq/g 190.97 K,	$\Delta H = 16711 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 87.50 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ $P = 101.325 \text{ kPa.}$		<b>Evaluation</b> A	
<b>Molecular Weight</b> 70.0141			<b>CHNaO<sub>2</sub></b> (c)	75FER/SA
<b>Wiswesser Line Notation</b> FYFF			Sodium methanoate; Sodium formate	
<b>Evaluation</b> A			<b>Heat Capacity</b> 340 K, Temperature range 340 to 560 K.	$C_p = 88.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
 			<b>Molecular Weight</b> 68.0075	
 			<b>Wiswesser Line Notation</b> VHO .NA	
 			<b>Evaluation</b> B	
<b>CHI<sub>3</sub></b> (c)		93CAR/LAY	<b>CHNaO<sub>2</sub></b> (c)	83FRA/PI
Triiodomethane; Iodoform			Sodium methanoate; Sodium formate	
<b>Heat Capacity</b> 298.15 K, One temperature.	$C_p = 157.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K, Temperature range 300 to 520 K. $C_p$ data taken from 60WES/CHA temperature range 5 to 350 K.	$C_p = 87.68 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b> 393.7324			<b>Entropy</b> 298.15 K, S data taken from 60WES/CHA.	$S = 103.76 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Wiswesser Line Notation</b> IYII			<b>Phase Changes</b>	
<b>Evaluation</b> A			c,II/c,I 491.5 K,	$\Delta H = 1214 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 2.47 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
 			c,I/liq 530.46 K,	$\Delta H = 17710 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 33.39 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>CHLiO<sub>2</sub></b> (c)		75FER/SAN	<b>Molecular Weight</b> 68.0075	
Lithium formate			<b>Wiswesser Line Notation</b> VHO .NA	
<b>Phase Changes</b>			<b>Evaluation</b> A	
c,II/c,I 496 K,	$\Delta H = 1800 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 3.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		 	
c,I/liq 546 K,	$\Delta H = 16190 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 29.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		 	
<b>Molecular Weight</b> 51.9587			<b>CHO<sub>2</sub>Rb</b> (c)	75FER/SA
<b>Wiswesser Line Notation</b> VHO .LI			Rubidium formate	
<b>Evaluation</b> A			<b>Phase Changes</b>	
 			c,II/c,I 368 K,	$\Delta H = 250 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 0.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
 			<b>Molecular Weight</b> 130.4855	
 			<b>Wiswesser Line Notation</b> VHO .RB	
 			<b>Evaluation</b> C	

<b>CHO<sub>2</sub>Tl</b> (c)		76MEI/SEY	<b>(CH<sub>2</sub>)<sub>n</sub></b> (c)		62WAR/PET
Thallium formate			Polyethylene		
<b>Phase Changes</b>			<b>Heat Capacity</b>	300 K,	$C_p=31.69 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c,I/liq	374 K,	$\Delta H=10878 \text{ J}\cdot\text{mol}^{-1}$	Temperature range 10 to 320 K. Calculated. Conventional high pressure polyethylene.		
		$\Delta S=28.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Entropy</b>	300 K,	$S=25.52 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Solid-mesophase.			<b>Molecular Weight</b>	14.0268	
<b>Molecular Weight</b>	249.3877		<b>Wiswesser Line Notation</b>	/*1*/	
<b>Wiswesser Line Notation</b>	VHO .TL		<b>Evaluation</b>	A	
<b>Evaluation</b>	B				
<b>(CH<sub>2</sub>)<sub>n</sub></b> (c)		57SOC/TRA	<b>(CH<sub>2</sub>)<sub>n</sub></b> (c)		62WUN
Polyethylene			Polyethylene		
<b>Heat Capacity</b>	270 K,	$C_p=24.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	300 K,	$C_p=24.53 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 58 to 270 K. $C_p$ value is unsmoothed experimental datum.			Temperature range 1 to 420 K. Extrapolated value to 100% crystalline phase.		
<b>Molecular Weight</b>	14.0268		<b>Entropy</b>	300 K,	$S=24.04 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Wiswesser Line Notation</b>	/*1*/		<b>Phase Changes</b>		
<b>Evaluation</b>	B		c/liq	415 K,	$\Delta H=3879 \text{ J}\cdot\text{mol}^{-1}$
					$\Delta S=9.35 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>(CH<sub>2</sub>)<sub>n</sub></b> (c)		61WAR/PET	<b>(CH<sub>2</sub>)<sub>n</sub></b> (c)		62WUN
Polyethylene			Polyethylene		
<b>Heat Capacity</b>	300 K,	$C_p=31.69 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	300 K,	$C_p=32.85 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 10 to 320 K. Interpolated data.			Temperature range 1 to 420 K. Extrapolated value to 100% amorphous phase.		
<b>Molecular Weight</b>	14.0268		<b>Entropy</b>	300 K,	$S=31.96 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Wiswesser Line Notation</b>	/*1*/		<b>Phase Changes</b>		
<b>Evaluation</b>	A		c/liq	415 K,	$\Delta H=3879 \text{ J}\cdot\text{mol}^{-1}$
Branched, high pressure polyethylene.					$\Delta S=9.35 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>(CH<sub>2</sub>)<sub>n</sub></b> (c)		62DAI/EVA3	<b>(CH<sub>2</sub>)<sub>n</sub></b> (amorph)		62WUN
Polyethylene; Marlex 50 polymer			Polyethylene		
<b>Heat Capacity</b>	298.15 K,	$C_p=26.29 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	300 K,	$C_p=32.85 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 20 to 310 K. Data for "Marlex 50" (low pressure) polythene.			Temperature range 1 to 420 K. Extrapolated value to 100% amorphous phase.		
<b>Entropy</b>	298.15 K,	$S=24.72 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Entropy</b>	300 K,	$S=31.96 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b>	14.0268		<b>Phase Changes</b>		
<b>Wiswesser Line Notation</b>	/*1*/		c/liq	415 K,	$\Delta H=3879 \text{ J}\cdot\text{mol}^{-1}$
<b>Evaluation</b>	A				$\Delta S=9.35 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>(CH<sub>2</sub>)<sub>n</sub></b> (c)		62DAI/EVA3	<b>(CH<sub>2</sub>)<sub>n</sub></b> (c)		63PAS/KEV
Polyethylene; Rigidex 50 polymer			Polyethylene, branched		
<b>Heat Capacity</b>	298.15 K,	$C_p=26.02 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	300 K,	$C_p=29.17 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 20 to 310 K. Data for "Rigidex 50" (low pressure) polythene.			Temperature range 90 to 415 K.		
<b>Entropy</b>	298.15 K,	$S=24.53 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Molecular Weight</b>	14.0268	
<b>Molecular Weight</b>	14.0268		<b>Wiswesser Line Notation</b>	/*1*/	
<b>Wiswesser Line Notation</b>	/*1*/		<b>Evaluation</b>	B	
<b>Evaluation</b>	A		Branched polyethylene, density, 0.924 at 20°C.		
<b>(CH<sub>2</sub>)<sub>n</sub></b> (c)		62DAI/EVA3	<b>(CH<sub>2</sub>)<sub>n</sub></b> (c)		63PAS/KEV
Polyethylene; W.N.C. 18 polymer			Polyethylene, linear		
<b>Heat Capacity</b>	298.15 K,	$C_p=32.47 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	300 K,	$C_p=24.47 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 90 to 300 K. Data for "W.N.C. 18" (high pressure) polythene.			Temperature range 90 to 433 K.		
<b>Entropy</b>	298.15 K,	$S=26.02 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Molecular Weight</b>	14.0268	
Data extrapolated from 90 K.			<b>Wiswesser Line Notation</b>	/*1*/	
<b>Molecular Weight</b>	14.0268		<b>Evaluation</b>	B	
<b>Wiswesser Line Notation</b>	/*1*/		Linear polyethylene, density, 0.968 at 20°C.		
<b>Evaluation</b>	A				
<b>(CH<sub>2</sub>)<sub>n</sub></b> (c)			<b>(CH<sub>2</sub>)<sub>n</sub></b> (c)		65WUN
Polyethylene; Marlex 50 polymer			Polyethylene; Marlex 50 polymer		
<b>Heat Capacity</b>	298.15 K,	$C_p=21.88 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p=21.88 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 180 to 410 K. Values per gram formula weight.			Temperature range 180 to 410 K. Values per gram formula weight.		
<b>Molecular Weight</b>	14.0268		<b>Molecular Weight</b>	14.0268	
<b>Wiswesser Line Notation</b>	/*1*/		<b>Wiswesser Line Notation</b>	/*1*/	
<b>Evaluation</b>	A		<b>Evaluation</b>	A	
99% Crystallinity, extrapolated to 100%. Number-average molecular weight, 9800, weight-average=130000.					

$(\text{CH}_2)_n$ (c)	73CHA/BES	$(\text{CH}_2)_n$ (c)	75CHA/W
Polyethylene, branched		Polyethylene, branched, DYNH CT-1660	
<b>Heat Capacity</b> 298.15 K,	$C_p = 30.20 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p = 32.20 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 2 to 360 K. Values per unit formula weight.		Temperature range 5 to 350 K. Values per $\text{CH}_2$ unit.	
<b>Entropy</b> 298.15 K,	$S = 25.91 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Entropy</b> 298.15 K,	$S = 26.37 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Values are $S - S_0$ .		Does not include zero-point entropy.	
<b>Molecular Weight</b> 14.0268		<b>Molecular Weight</b> 14.0268	
<b>Wiswesser Line Notation</b> /*1*/		<b>Wiswesser Line Notation</b> /*1*/	
<b>Evaluation</b> A		<b>Evaluation</b> A	
Branched polyethylene, SRM 1476. Density $0.9247 \text{ g} \cdot \text{cm}^{-3}$ at 23 °C.		Branched polyethylene, density $0.91 \text{ g} \cdot \text{cm}^{-3}$ .	
$(\text{CH}_2)_n$ (c)	73CHA/BES	$(\text{CH}_2)_n$ (c)	75CHA/W
Polyethylene, branched, annealed		Polyethylene, linear, Marlex 50 polymer	
<b>Heat Capacity</b> 298.15 K,	$C_p = 30.26 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p = 24.79 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 2 to 360 K.		Temperature range 5 to 350 K. Values per $\text{CH}_2$ unit.	
<b>Entropy</b> 298.15 K,	$S = 25.74 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Entropy</b> 298.15 K,	$S = 24.04 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Values are $S - S_0$ .		Does not include zero-point entropy.	
<b>Molecular Weight</b> 14.0268		<b>Molecular Weight</b> 14.0268	
<b>Wiswesser Line Notation</b> /*1*/		<b>Wiswesser Line Notation</b> /*1*/	
<b>Evaluation</b> A		<b>Evaluation</b> A	
Branched polyethylene, SRM 1476, annealed. Density $0.9272 \text{ g} \cdot \text{cm}^{-3}$ at 23°C.		Linear polyethylene, density $0.973 \text{ g} \cdot \text{cm}^{-3}$ .	
$(\text{CH}_2)_n$ (c)	73CHA/BES	$(\text{CH}_2)_n$ (c)	76CHA
Polyethylene, linear		Polyethylene, linear high molecular weight	
<b>Heat Capacity</b> 298.15 K,	$C_p = 25.68 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p = 24.97 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 2 to 360 K. Values per unit formula weight.		Temperature range 5 to 380 K. Value per monomer unit.	
<b>Entropy</b> 298.15 K,	$S = 24.52 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Entropy</b> 298.15 K,	$S = 22.04 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Values are $S - S_0$ .		Value per monomer unit. $S - S_0$ .	
<b>Molecular Weight</b> 14.0268		<b>Molecular Weight</b> 14.0268	
<b>Wiswesser Line Notation</b> /*1*/		<b>Wiswesser Line Notation</b> /*1*/	
<b>Evaluation</b> A		<b>Evaluation</b> A	
Linear polyethylene, SRM 1475. Density, $0.95 \text{ g} \cdot \text{cm}^{-3}$ at 23°C.		Produced by Ziegler-type vapor polymerization. Molecular weight $2.7-3.0 \times 10^6$ . Approximately 45% crystalline. Data from quenched sample.	
$(\text{CH}_2)_n$ (c)	74CHA	$(\text{CH}_2)_n$ (c)	78S'
Polyethylene, linear high density		Polyethylene	
<b>Heat Capacity</b> 298.15 K,	$C_p = 22.60 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p = 25.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 5 to 360 K. Value per monomer unit.		One temperature.	
<b>Entropy</b> 298.15 K,	$S = 23.02 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b> 14.0268	
Value per monomer unit. $S - S_0$ .		<b>Wiswesser Line Notation</b> /*1*/	
<b>Molecular Weight</b> 14.0268		<b>Evaluation</b> B	
<b>Wiswesser Line Notation</b> /*1*/			
<b>Evaluation</b> A			
Extrapolated to 100% crystallinity, from data on other samples.			
$(\text{CH}_2)_n$ (c)	74CHA	$\text{CH}_2\text{Br}_2$ (liq)	48KI
Polyethylene, linear high density		Dibromomethane; Methylene bromide	
<b>Heat Capacity</b> 298.15 K,	$C_p = 22.98 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298 K,	$C_p = 127.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 5 to 360 K. Value per monomer unit.		Temperature range -22 to 98 °C. Mean $C_p$ , four temperatures.	
<b>Entropy</b> 298.15 K,	$S = 23.22 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b> 173.8348	
Value per monomer unit. $S - S_0$ .		<b>Wiswesser Line Notation</b> E1E	
<b>Molecular Weight</b> 14.0268		<b>Evaluation</b> D	
<b>Wiswesser Line Notation</b> /*1*/			
<b>Evaluation</b> A			
Density $0.993 \text{ g} \cdot \text{cm}^{-3}$ at 23°C. Pressure crystallized.			
$(\text{CH}_2)_n$ (c)	74CHA	$\text{CH}_2\text{Br}_2$ (liq)	57HAR/M
Polyethylene, linear high density		Dibromomethane; Methylene bromide	
<b>Heat Capacity</b> 298.15 K,	$C_p = 23.96 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 300 K,	$C_p = 105.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 5 to 360 K. Value per monomer unit.		Temperature range 243 to 303 K.	
<b>Entropy</b> 298.15 K,	$S = 23.64 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b> 173.8348	
Value per monomer unit. $S - S_0$ .		<b>Wiswesser Line Notation</b> E1E	
<b>Molecular Weight</b> 14.0268		<b>Evaluation</b> B	
<b>Wiswesser Line Notation</b> /*1*/			
<b>Evaluation</b> A			
Density $0.981 \text{ g} \cdot \text{cm}^{-3}$ at 23°C. Slow-melt crystallized.			

# HEAT CAPACITIES AND ENTROPIES OF ORGANIC COMPOUNDS

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<b>CH<sub>2</sub>Br<sub>2</sub></b> (liq)		93SHE	<b>CH<sub>2</sub>Cl<sub>2</sub></b> (liq)		78MOS/RAB
Dibromomethane; Methylene bromide			Dichloromethane; Methylene dichloride		
<b>Heat Capacity</b> 298.15 K,	$C_p = 104.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K,	$C_p = 102.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
One temperature.			Temperature range 5 to 300 K.		
<b>Molecular Weight</b> 173.8348			<b>Entropy</b> 298.15 K,	$S = 174.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Wiswesser Line Notation</b> E1E			<b>Phase Changes</b>		
<b>Evaluation</b> B			c/liq 178.22 K,	$\Delta H = 6160 \text{ J}\cdot\text{mol}^{-1}$	
<b>CH<sub>2</sub>Cl<sub>2</sub></b> (liq)		37PER	<b>Molecular Weight</b> 84.9328		
Dichloromethane; Methylene dichloride			<b>Wiswesser Line Notation</b> G1G		
<b>Heat Capacity</b> 292.5 K,	$C_p = 100.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Evaluation</b> A		
Temperature range -58 to 19 °C. Value is unsmoothed experimental datum.					
<b>Molecular Weight</b> 84.9328					
<b>Wiswesser Line Notation</b> G1G					
<b>Evaluation</b> B					
<b>CH<sub>2</sub>Cl<sub>2</sub></b> (liq)		37PER2	<b>CH<sub>2</sub>I<sub>2</sub></b> (liq)		48KUR
Dichloromethane; Methylene dichloride			Diiodomethane; Methylene iodide		
<b>Heat Capacity</b> 292.5 K,	$C_p = 100.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 298 K,	$C_p = 133.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range -58 to 19 °C. Value is unsmoothed experimental datum.			Temperature range 12 to 164 °C. Mean $C_p$ , three temperatures.		
<b>Molecular Weight</b> 84.9328			<b>Molecular Weight</b> 267.8358		
<b>Wiswesser Line Notation</b> G1G			<b>Wiswesser Line Notation</b> III		
<b>Evaluation</b> B			<b>Evaluation</b> D		
<b>CH<sub>2</sub>Cl<sub>2</sub></b> (liq)		40RIE	<b>CH<sub>2</sub>I<sub>2</sub></b> (liq)		93CAR/LAY
Dichloromethane; Methylene dichloride			Diiodomethane; Methylene iodide		
<b>Heat Capacity</b> 298.1 K,	$C_p = 100.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K,	$C_p = 133.81 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range -47 to 41 °C.			One temperature.		
<b>Molecular Weight</b> 84.9328			<b>Molecular Weight</b> 267.8358		
<b>Wiswesser Line Notation</b> G1G			<b>Wiswesser Line Notation</b> III		
<b>Evaluation</b> A			<b>Evaluation</b> A		
<b>CH<sub>2</sub>Cl<sub>2</sub></b> (liq)		41RIE	<b>CH<sub>2</sub>I<sub>2</sub></b> (liq)		93SHE
Dichloromethane; Methylene dichloride			Diiodomethane; Methylene iodide		
<b>Heat Capacity</b> 298 K,	$C_p = 100.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K,	$C_p = 112.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range -47 to 41 °C.			One temperature.		
<b>Molecular Weight</b> 84.9328			<b>Molecular Weight</b> 267.8358		
<b>Wiswesser Line Notation</b> G1G			<b>Wiswesser Line Notation</b> III		
<b>Evaluation</b> A			<b>Evaluation</b> B		
<b>CH<sub>2</sub>Cl<sub>2</sub></b> (liq)		48KUR	<b>CH<sub>2</sub>N<sub>2</sub></b> (c)		83DEW/DEK
Dichloromethane; Methylene dichloride			Cyanamide		
<b>Heat Capacity</b> 298 K,	$C_p = 129.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 300 K,	$C_p = 78.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range -76 to 41 °C. Mean $C_p$ , four temperatures.			Temperature range 90 to 300 K. Linearly extrapolated.		
<b>Molecular Weight</b> 84.9328			<b>Phase Changes</b>		
<b>Wiswesser Line Notation</b> G1G			c/liq 318.71 K,	$\Delta H = 7272 \text{ J}\cdot\text{mol}^{-1}$	
<b>Evaluation</b> D				$\Delta S = 22.82 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>CH<sub>2</sub>Cl<sub>2</sub></b> (liq)		57HAR/MOE	<b>Molecular Weight</b> 42,0402		
Dichloromethane; Methylene dichloride			<b>Wiswesser Line Notation</b> ZCN		
<b>Heat Capacity</b> 303.2 K,	$C_p = 105.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Evaluation</b> B( $C_p$ ), A(Phase changes).		
Temperature range 244 to 303 K. Unsmoothed experimental datum.					
<b>Molecular Weight</b> 84.9328					
<b>Wiswesser Line Notation</b> G1G					
<b>Evaluation</b> C					
<b>CH<sub>2</sub>Cl<sub>2</sub></b> (liq)			<b>CH<sub>2</sub>N<sub>4</sub></b> (c)		89HIL/MOU
Dichloromethane; Methylene dichloride			Tetrazole		
<b>Heat Capacity</b> 303.2 K,	$C_p = 105.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Phase Changes</b>		
Temperature range 244 to 303 K. Unsmoothed experimental datum.			c/liq 430.7 K,	$\Delta H = 18400 \text{ J}\cdot\text{mol}^{-1}$	
<b>Molecular Weight</b> 84.9328			<b>Molecular Weight</b> 70,0536		
<b>Wiswesser Line Notation</b> G1G			<b>Wiswesser Line Notation</b> T5MNNN		
<b>Evaluation</b> C			<b>Evaluation</b> A		

<b>CH<sub>2</sub>N<sub>4</sub></b> (c,I)	93KAB/KOZ	<b>CH<sub>2</sub>O<sub>2</sub></b> (liq)	34RAD/
Tetrazole		Methanoic acid; Formic acid	
<b>Heat Capacity</b> 298.15 K, Temperature range 5 to 320 K.	$C_p=76.52 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b> 290 K, One temperature.	$C_p=100.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Entropy</b> 298.15 K,	$S=96.36 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Molecular Weight</b> 46.0256	
<b>Phase Changes</b>		<b>Wiswesser Line Notation</b> VHQ	
c,II/c,I	242.5 K, $\Delta H=14.0 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=0.060 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Evaluation</b> C	
c,I/liq	430 K, $\Delta H=18000 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=41.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>CH<sub>2</sub>O<sub>2</sub></b> (liq)	36GLA/C
c,I/g	353.1 K, $\Delta H=88160 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=250 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	Methanoic acid; Formic acid	
<b>Molecular Weight</b> 70.0536		<b>Heat Capacity</b> 298.15 K, Temperature range: 298.15, 333.15, 353.15 K.	$C_p=98.10 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Wiswesser Line Notation</b> T5MNNNJ		<b>Molecular Weight</b> 46.0256	
<b>Evaluation</b> A		<b>Wiswesser Line Notation</b> VHQ	
<b>Evaluation</b> B		<b>Evaluation</b> B	
<b>(CH<sub>2</sub>O)<sub>n</sub></b> (c)	59DAI/IVI	 	
Polyoxymethylene		 	
<b>Heat Capacity</b> 300 K, Temperature range 300 to 333 K, mean value. Value per monomer unit.	$C_p=33.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>CH<sub>2</sub>O<sub>2</sub></b> (liq)	41STO/
<b>Molecular Weight</b> 30.0262		Methanoic acid; Formic acid	
<b>Wiswesser Line Notation</b> /*O1*/		<b>Heat Capacity</b> 298.15 K, Temperature range 15 to 300 K.	$C_p=99.04 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Evaluation</b> B		<b>Entropy</b> 298.15 K, Includes 2.89 J·mol <sup>-1</sup> ·K <sup>-1</sup> for zero-point entropy.	$S=131.84 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
 		<b>Phase Changes</b>	
<b>(CH<sub>2</sub>O)<sub>n</sub></b> (c)	62DAI/EVA	c/liq	281.40 K, $\Delta H=12678 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=45.05 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Polyoxymethylene		<b>Molecular Weight</b> 46.0256	
<b>Heat Capacity</b> 300 K, Temperature range 20 to 300 K. Data given for Delrin. Data also given for trioxan copolymer where $C_p(300 \text{ K})=41.11 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ .	$C_p=42.79 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Wiswesser Line Notation</b> VHQ	
<b>Entropy</b> 300 K, Temperature range 20 to 300 K, Data given for Delrin. Data also given for trioxan copolymer where $S(300 \text{ K})=43.21 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ .	$S=44.65 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Evaluation</b> A	
<b>Molecular Weight</b> 30.0262		 	
<b>Wiswesser Line Notation</b> /*O1*/		 	
<b>Evaluation</b> A		 	
<b>CH<sub>2</sub>O<sub>2</sub></b> (liq)	1881REI	<b>CH<sub>2</sub>S<sub>3</sub></b> (liq)	63GAT/K
Methanoic acid; Formic acid		Dihydrosulfide carbon sulfide; Trithiocarbonic acid	
<b>Heat Capacity</b> 298 K, Temperature range 291 to 385 K.	$C_p=95.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b> 273 K, Temperature range -95 to 20 °C.	$C_p=146.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b> 46.0256		<b>Entropy</b> 298 K, Extrapolation below -95°C. Estimated uncertainty ± 25 J·mo <sup>-1</sup> ·K <sup>-1</sup> .	$S=218 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Wiswesser Line Notation</b> VHQ		<b>Phase Changes</b>	
<b>Evaluation</b> D		c/liq	246.3 K, $\Delta H=8410 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=34.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
 		<b>Molecular Weight</b> 110.2068	
 		<b>Wiswesser Line Notation</b> SUYSHSH	
 		<b>Evaluation</b> B( $C_p$ ), D( $S$ )	
<b>CH<sub>2</sub>O<sub>2</sub></b> (liq)	20GIB/LAT	<b>CH<sub>3</sub>DO</b> (liq)	49STA/
Methanoic acid; Formic acid		Methanol-d <sub>1</sub> ; Methyl alcohol-d <sub>1</sub>	
<b>Heat Capacity</b> 291.5 K, Temperature range 71 to 292 K. Value is unsmoothed experimental datum.	$C_p=98.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b> 270 K, Temperature range 90 to 270 K.	$C_p=79.66 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Entropy</b> 298 K. Used Berthelot's value, 10125 J·mol <sup>-1</sup> for $\Delta H$ fusion. Extrapolation below 70 K, no details.	$S=143.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Phase Changes</b>	
<b>Molecular Weight</b> 46.0256		c,II/c,I	161.1 K, $\Delta H=651.9 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=4.05 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Wiswesser Line Notation</b> VHQ		c,I/liq	173.5 K, $\Delta H=3038 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=17.51 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Evaluation</b> B( $C_p$ ), C( $S$ )		<b>Molecular Weight</b> 33.0500	
 		<b>Wiswesser Line Notation</b> Q1 & 1H-2	
 		<b>Evaluation</b> B	
<b>CH<sub>2</sub>O<sub>2</sub></b> (liq)	29PAR/KEL	<b>CH<sub>3</sub>DO</b> (liq)	92FIL/
Methanoic acid; Formic acid		Methanol-d <sub>1</sub> ; Methyl alcohol-d <sub>1</sub>	
<b>Entropy</b> 298.1 K, Extrapolation below 90 K, 29.7 J·mol <sup>-1</sup> ·K <sup>-1</sup> . Revision of previous data.	$S=128.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K, One temperature.	$C_p=83.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b> 46.0256		<b>Molecular Weight</b> 33.0500	
<b>Wiswesser Line Notation</b> VHQ		<b>Wiswesser Line Notation</b> Q1 & 1H-2	
<b>Evaluation</b> C		<b>Evaluation</b> B	

<b>CH<sub>3</sub>Br</b> (liq)		38EGA/KEM	<b>CH<sub>3</sub>CIFOP</b> (liq)		64FUR/REI
Bromomethane; Methyl bromide			Methylphosphonyl chlorofluoride		
<b>Heat Capacity</b> 280 K,	$C_p = 78.83 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K,	$C_p = 153.17 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 15 to 280 K.			Temperature range 15 to 335 K.		
<b>Entropy</b> 276.71 K,	$S = 155.14 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Entropy</b> 398.15 K,	$S = 216.40 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Phase Changes</b>			<b>Phase Changes</b>		
c,II/c,I	173.78 K,	$\Delta H = 473 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 2.72 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	c/liq	250.70 K,	$\Delta H = 11853 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 47.28 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c,I/liq	179.47 K,	$\Delta H = 5979 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 33.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
liq/g	276.71 K,	$\Delta H = 23912 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 86.42 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ $P = 101.325 \text{ kPa}$			
<b>Molecular Weight</b> 94.9387			<b>Molecular Weight</b> 116.4593		
<b>Wiswesser Line Notation</b> E1			<b>Wiswesser Line Notation</b> OPGF1		
<b>Evaluation</b> A			<b>Evaluation</b> A		
<b>CH<sub>3</sub>Br</b> (liq)		48KUR	<b>CH<sub>3</sub>Cl<sub>2</sub>OP</b> (c)		64FUR/REI
Bromomethane; Methyl bromide			Methylphosphonyl dichloride		
<b>Heat Capacity</b> 283 K,	$C_p = 114.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K,	$C_p = 131.12 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range -67 to 9 °C. Mean $C_p$ , three temperatures.			Temperature range 15 to 335 K.		
<b>Molecular Weight</b> 94.9387			<b>Entropy</b> 298.15 K,	$S = 164.84 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Wiswesser Line Notation</b> E1			<b>Phase Changes</b>		
<b>Evaluation</b> D			c/liq	306.14 K,	$\Delta H = 18076 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 59.04 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
 			<b>Molecular Weight</b> 132.9139		
 			<b>Wiswesser Line Notation</b> OPGG1		
 			<b>Evaluation</b> A		
<b>CH<sub>3</sub>Cl</b> (liq)		24SHO	<b>CH<sub>3</sub>Cl<sub>3</sub>Si</b> (liq)		71SAM/KOS2
Chloromethane; Methyl chloride			Trichloromethylsilane		
<b>Heat Capacity</b> 298 K,	$C_p = 81.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K,	$C_p = 163.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range -30 to 40 °C.			Temperature range 14 to 307 K. Data deposited VINITI, No 2423-71, 17 December, 1970. $C_p(\text{liq}) = 25.5286 + 0.04132T + 100930T^{-2}$ (197.37 to 300 K) cal·mol <sup>-1</sup> ·K <sup>-1</sup> .		
<b>Molecular Weight</b> 50.4877			<b>Entropy</b> 298.15 K,	$S = 262.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Wiswesser Line Notation</b> G1			<b>Phase Changes</b>		
<b>Evaluation</b> C			c/liq	197.37 K,	$\Delta H = 8945 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 45.31 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
 			<b>Molecular Weight</b> 149.4792		
 			<b>Wiswesser Line Notation</b> G-SI-GG1		
 			<b>Evaluation</b> A		
 			Debye temperature=98.84 K.		
<b>CH<sub>3</sub>Cl</b> (liq)		40AWB/GRI	<b>CH<sub>3</sub>F<sub>2</sub>OP</b> (liq)		64FUR/REI
Chloromethane; Methyl chloride			Methylphosphonyl difluoride		
<b>Heat Capacity</b> 293.15 K,	$C_p = 80.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K,	$C_p = 145.14 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 243 to 303 K. $C_p$ reported at 20 °C=1.598 J·g <sup>-1</sup> ·K <sup>-1</sup> and at 30°C=1.632 J·g <sup>-1</sup> ·K <sup>-1</sup> .			Temperature range 15 to 335 K.		
<b>Molecular Weight</b> 50.4877			<b>Entropy</b> 298.15 K,	$S = 208.34 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Wiswesser Line Notation</b> G1			<b>Phase Changes</b>		
<b>Evaluation</b> B			c/liq	236.34 K,	$\Delta H = 11878 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 50.26 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
 			<b>Molecular Weight</b> 100.0047		
 			<b>Wiswesser Line Notation</b> OPFF1		
 			<b>Evaluation</b> A		
<b>CH<sub>3</sub>Cl</b> (liq)		40MES/AST	<b>CH<sub>3</sub>I</b> (liq)		48KUR
Chloromethane; Methyl chloride			Iodomethane; Methyl iodide		
<b>Heat Capacity</b> 249.67 K,	$C_p = 75.60 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 298 K,	$C_p = 148.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 12 to 249.67 K. Value is unsmoothed experimental datum.			Temperature range -56 to 35 °C. Mean $C_p$ , five temperatures.		
<b>Entropy</b> 248.94 K.	$S = 140.08 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Molecular Weight</b> 141.9392		
<b>Phase Changes</b>			<b>Wiswesser Line Notation</b> II		
c/liq	175.44 K.	$\Delta H = 6431 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 36.66 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Evaluation</b> D		
liq/g	248.94 K,	$\Delta H = 21535 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 86.51 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ $P = 101.325 \text{ kPa}$			
<b>Molecular Weight</b> 50.4877					
<b>Wiswesser Line Notation</b> G1					
<b>Evaluation</b> A					
Correction in 40MES/AST2.					

<b>CH<sub>3</sub>I</b> (liq)		57HAR/MOE	<b>CH<sub>3</sub>NO</b> (liq)	74VIS/S
Iodomethane; Methyl iodide			Formamide; Methanamide	
<b>Heat Capacity</b> 300 K,		$C_p = 82.68 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p = 108.11 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 243 to 303 K.			One temperature.	
<b>Molecular Weight</b> 141.9392			<b>Molecular Weight</b> 45.0408	
<b>Wiswesser Line Notation</b> II			<b>Wiswesser Line Notation</b> ZVH	
<b>Evaluation</b> B			<b>Evaluation</b> A	
<b>CH<sub>3</sub>I</b> (liq)		62LOW/MOE	<b>CH<sub>3</sub>NO</b> (liq)	76BON/C
Iodomethane; Methyl iodide			Formamide; Methanamide	
<b>Heat Capacity</b> 298.2 K,		$C_p = 82.76 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p = 107 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 293 to 308 K.			One temperature.	
<b>Molecular Weight</b> 141.9392			<b>Molecular Weight</b> 45.0408	
<b>Wiswesser Line Notation</b> II			<b>Wiswesser Line Notation</b> ZVH	
<b>Evaluation</b> A			<b>Evaluation</b> B	
<b>CH<sub>3</sub>I</b> (liq)		93CAR/LAY	<b>CH<sub>3</sub>NO</b> (liq)	76SKO/S
Iodomethane; Methyl iodide			Formamide; Methanamide	
<b>Heat Capacity</b> 298.15 K,		$C_p = 82.75 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p = 107.62 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
One temperature.			One temperature.	
<b>Molecular Weight</b> 141.9392			<b>Molecular Weight</b> 45.0408	
<b>Wiswesser Line Notation</b> II			<b>Wiswesser Line Notation</b> ZVH	
<b>Evaluation</b> A			<b>Evaluation</b> A	
<b>CH<sub>3</sub>I</b> (liq)		93SHE	<b>CH<sub>3</sub>NO</b> (liq)	77VOR/I
Iodomethane; Methyl iodide			Formamide; Methanamide	
<b>Heat Capacity</b> 298.15 K,		$C_p = 82.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p = 108.11 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
One temperature.			One temperature.	
<b>Molecular Weight</b> 141.9392			<b>Molecular Weight</b> 45.0408	
<b>Wiswesser Line Notation</b> II			<b>Wiswesser Line Notation</b> ZVH	
<b>Evaluation</b> B			<b>Evaluation</b> A	
<b>CH<sub>3</sub>NO</b> (liq)		07WAL	<b>CH<sub>3</sub>NO</b> (liq)	78DEV/H
Formamide; Methanamide			Formamide; Methanamide	
<b>Heat Capacity</b> 292 K,		$C_p = 105 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p = 107.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
One temperature.			One temperature.	
<b>Molecular Weight</b> 45.0408			<b>Molecular Weight</b> 45.0408	
<b>Wiswesser Line Notation</b> ZVH			<b>Wiswesser Line Notation</b> ZVH	
<b>Evaluation</b> D			<b>Evaluation</b> B	
<b>CH<sub>3</sub>NO</b> (liq)		65SOM/COO	<b>CH<sub>3</sub>NO</b> (liq)	83DEW/D
Formamide; Methanamide			Formamide; Methanamide	
<b>Heat Capacity</b> 298 K,		$C_p = 107.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p = 107.61 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
One temperature			Temperature range 90 to 290 K.	$C_p = 89.88 + 0.05947 (\text{T/K}) \text{ mol}^{-1}\cdot\text{K}^{-1}$ (275 to 300 K.)
<b>Phase Changes</b>			<b>Phase Changes</b>	
c/liq	275.72 K,	$\Delta H = 7980 \text{ J}\cdot\text{mol}^{-1}$	c/liq	275.60 K,
<b>Molecular Weight</b> 45.0408		$\Delta S = 28.94 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	$\Delta H = 8667 \text{ J}\cdot\text{mol}^{-1}$	
<b>Wiswesser Line Notation</b> ZVH			$\Delta S = 31.448 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Evaluation</b> B			<b>Molecular Weight</b> 45.0408	
<b>CH<sub>3</sub>NO</b> (liq)		67RAS/GAN	<b>Wiswesser Line Notation</b> ZVH	
Formamide; Methanamide			<b>Evaluation</b> A	
<b>Heat Capacity</b> 293 K,		$C_p = 105.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		
Temperature range 293 to 373 K.				
<b>Molecular Weight</b> 45.0408				
<b>Wiswesser Line Notation</b> ZVH				
<b>Evaluation</b> C				
<b>CH<sub>3</sub>NO<sub>2</sub></b> (liq)			<b>CH<sub>3</sub>NO<sub>2</sub></b> (liq)	07V
Nitromethane			Nitromethane	
<b>Heat Capacity</b> 289 K,			<b>Heat Capacity</b> 289 K,	$C_p = 105 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
One temperature.			One temperature.	
<b>Molecular Weight</b> 61.0402			<b>Molecular Weight</b> 61.0402	
<b>Wiswesser Line Notation</b> WN1			<b>Wiswesser Line Notation</b> WN1	
<b>Evaluation</b> D			<b>Evaluation</b> D	

<b>CH<sub>3</sub>NO<sub>2</sub></b> (liq)		25WIL	<b>CH<sub>4</sub></b> (c)		76VOG/PIT
Nitromethane			Methane		
<b>Heat Capacity</b>	298 K,	$C_p=100 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>		
Temperature range	288 to 343 K.	Equation only.	Temperature range	0.4 to 28 K.	
<b>Molecular Weight</b>	61.0402		<b>Phase Changes</b>		
<b>Wiswesser Line Notation</b>	WN1		c,II/c,I	20.53 K,	$\Delta H=93.55 \text{ J}\cdot\text{mol}^{-1}$
<b>Evaluation</b>	C		c,I/liq	90.67 K,	$\Delta S=4.557 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
			liq/g	99.54 K,	$\Delta H=939.2 \text{ J}\cdot\text{mol}^{-1}$
					$\Delta S=10.36 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>CH<sub>3</sub>NO<sub>2</sub></b> (liq)		47JON/GIA			$\Delta H=8519 \text{ J}\cdot\text{mol}^{-1}$
Nitromethane					$\Delta S=85.58 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Heat Capacity</b>	298.15 K,	$C_p=105.98 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	Lambda transition.		$P=2.81 \text{ kPa}$
Temperature range	15 to 300 K.		c,I/liq		Data from 37FRA/CLU and 39FRA/CLU.
<b>Entropy</b>	298.15 K,	$S=171.75 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	liq/g		
<b>Phase Changes</b>					<b>Molecular Weight</b> 16.0426
c/liq	244.77 K,	$\Delta H=9703 \text{ J}\cdot\text{mol}^{-1}$			
		$\Delta S=39.64 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			<b>Wiswesser Line Notation</b> IH
liq/g	298.15 K,	$\Delta H=38271 \text{ J}\cdot\text{mol}^{-1}$			<b>Evaluation</b> A
		$\Delta S=128.36 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
		$P=4.89 \text{ kPa}$			
<b>Molecular Weight</b>	61.0402				
<b>Wiswesser Line Notation</b>	WN1				
<b>Evaluation</b>	A				
<b>CH<sub>3</sub>NO<sub>2</sub></b> (liq)		50HOU/MAS	<b>CH<sub>4</sub>N<sub>2</sub>O</b> (c)		03MAG
Nitromethane			Urea		
<b>Heat Capacity</b>	313 K,	$C_p=108.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298 K,	$C_p=80.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range	313 to 363 K.		One temperature. $C_p$ given as $0.321 \text{ cal}\cdot\text{g}^{-1}\cdot\text{K}^{-1}$ .		
<b>Molecular Weight</b>	61.0402				
<b>Wiswesser Line Notation</b>	WN1				<b>Molecular Weight</b> 60.0554
<b>Evaluation</b>	B				<b>Wiswesser Line Notation</b> ZVZ
					<b>Evaluation</b> D
<b>CH<sub>3</sub>NO<sub>2</sub></b> (liq)		69BER/WES	<b>CH<sub>4</sub>N<sub>2</sub>O</b> (c)		20GIB/LAT
Nitromethane			Urea		
<b>Heat Capacity</b>	308 K,	$C_p=106.22 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298.0 K,	$C_p=115.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range	308 to 473 K.		Temperature range	86 to 300 K.	Value is unsmoothed experimental datum.
<b>Molecular Weight</b>	61.0402		<b>Entropy</b>	298 K,	$S=172 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Wiswesser Line Notation</b>	WN1		Extrapolation below 86 K, no details.		
<b>Evaluation</b>	B		<b>Molecular Weight</b>	60.0554	
					<b>Wiswesser Line Notation</b> ZVZ
					<b>Evaluation</b> B( $C_p$ ), C( $S$ )
<b>CH<sub>3</sub>NO<sub>3</sub></b> (liq)		53GRA/SMI	<b>CH<sub>4</sub>N<sub>2</sub>O</b> (c)		33PAR/HUF
Methyl nitrate			Urea		
<b>Heat Capacity</b>	298.2 K,	$C_p=157.19 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298.0 K,	$C_p=93.64 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range	13 to 295 K.		Temperature range	93 to 298 K.	Value is unsmoothed experimental datum.
<b>Entropy</b>	298.2 K,	$S=216.98 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Entropy</b>	298.1 K,	$S=105.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Phase Changes</b>			Extrapolation below 90 K, 33.18 $\text{J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ .		
c/liq	190.2 K,	$\Delta H=8242 \text{ J}\cdot\text{mol}^{-1}$	<b>Molecular Weight</b>	60.0554	
		$\Delta S=43.33 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Wiswesser Line Notation</b>	ZVZ	
<b>Molecular Weight</b>	77.0396		<b>Evaluation</b>	B( $C_p$ ), C( $S$ )	
<b>Wiswesser Line Notation</b>	WNO1				
<b>Evaluation</b>	A				
<b>CH<sub>3</sub>NaO</b> (c)		57GRE/WES	<b>CH<sub>4</sub>N<sub>2</sub>O</b> (c)		40CAM/CAM
Sodium methoxide			Urea		
<b>Heat Capacity</b>	298.15 K,	$C_p=69.45 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	293 K,	$C_p=68.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range	5 to 340 K.		One temperature.		
<b>Entropy</b>	298.15 K,	$S=110.58 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Molecular Weight</b>	60.0554	
<b>Phase Changes</b>			<b>Wiswesser Line Notation</b>	ZVZ	
			<b>Evaluation</b>	C	
Anomalous region near 34 K with excess enthalpy of $48.12 \text{ J}\cdot\text{mol}^{-1}$ , excess entropy of $1.80 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ .					
<b>Molecular Weight</b>	54.0239				
<b>Wiswesser Line Notation</b>	O1.NA				
<b>Evaluation</b>	A				
<b>CH<sub>3</sub>NaO</b> (c)			<b>CH<sub>4</sub>N<sub>2</sub>O</b> (c)		46RUE/HUF
			Urea		
<b>Heat Capacity</b>	298.15 K,	$C_p=69.45 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p=93.14 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range	5 to 340 K.		Temperature range	19 to 318 K.	
<b>Entropy</b>	298.15 K,	$S=110.58 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Molecular Weight</b>	60.0554	
<b>Phase Changes</b>			<b>Wiswesser Line Notation</b>	ZVZ	
			<b>Evaluation</b>	A	

<b>CH<sub>4</sub>N<sub>2</sub>O</b> (c)		66SAS/YOK	<b>CH<sub>4</sub>N<sub>2</sub>O·HNO<sub>3</sub></b> (c)		85NUR/E
Urea			Urea nitrate		
<b>Heat Capacity</b>	298.15 K, Temperature range 90 to 298 K.	$C_p=90.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K, Temperature range 60 to 330 K.	$C_p=158.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b>	60.0554		<b>Entropy</b>	298.15 K,	$S=189.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Wiswesser Line Notation</b>	ZVZ		<b>Molecular Weight</b>	123.0682	
<b>Evaluation</b>	A		<b>Wiswesser Line Notation</b>	ZVZ & WNQ	
			<b>Evaluation</b>	A	
 <b>CH<sub>4</sub>N<sub>2</sub>O</b> (c)		80VOG/SCH	 <b>CH<sub>4</sub>N<sub>2</sub>S</b> (c)		67WES/C
Urea			Thiourea		
<b>Heat Capacity</b>	Temperature range 323 to 493 K. Equation only: $C_p=523.38 - 265.60 \times 10^{-2}T + 41.50 \times 10^{-4}T^2$ .		<b>Heat Capacity</b>	298.15 K,	$C_p=96.90 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Phase Changes</b>			<b>Entropy</b>	298.15 K,	$S=115.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c/liq	405.8 K,	$\Delta H=13610 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=33.54 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Molecular Weight</b>	76.1160	
<b>Molecular Weight</b>	60.0554		<b>Wiswesser Line Notation</b>	ZYZUS	
<b>Wiswesser Line Notation</b>	ZVZ		<b>Evaluation A</b>		
<b>Evaluation</b>	B		Anomalies occur at: 169.3 K, $\Delta S=0.17 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ ; 171.2 K, $\Delta S=0.04 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ ; 200 K, $\Delta S=0.71 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ . A slight hindrance in the heat capacity appears between 210 and 260 K.		
Dry sample.					
 <b>CH<sub>4</sub>N<sub>2</sub>O</b> (c)		86KOZ/DAL	 <b>CH<sub>4</sub>N<sub>2</sub>S</b> (c)		82TOR/S
Urea			Thiourea		
<b>Heat Capacity</b>	298.15 K, $C_p=93.08 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Temperature range 5 to 400 K. $C_p=38.43 + 4.98 \times 10^{-2}T + 7.05 \times 10^{-4}T^2 - 8.61 \times 10^{-7}T^3$ (240 to 400 K).		<b>Heat Capacity</b>	298.15 K, $C_p=96.90 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Entropy</b>	298.15 K,	$S=104.93 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	One temperature. $C_p$ data given as $1.273 \text{ J}\cdot\text{K}^{-1}\cdot\text{g}^{-1}$ . Data from 67WES/CHA.		
<b>Phase Changes</b>			<b>Phase Changes</b>	298.15 K,	$\Delta H=112000 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=375.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c/liq	405.8 K,	$\Delta H=13900 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=34.25 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Molecular Weight</b>	76.1160	
<b>Molecular Weight</b>	60.0554		<b>Wiswesser Line Notation</b>	ZYZUS	
<b>Wiswesser Line Notation</b>	ZVZ		<b>Evaluation B</b>		
<b>Evaluation</b>	A				
 <b>CH<sub>4</sub>N<sub>2</sub>O</b> (c)		87DEL/FER	 <b>CH<sub>4</sub>N<sub>2</sub>S</b> (c)		70VAN/V
Urea			Ammonium thiocyanate		
<b>Phase Changes</b>			<b>Heat Capacity</b>	298.15 K, $C_p=125.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
c/liq	406.5 K,	$\Delta H=14790 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=36.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Entropy</b>	298.15 K, $S=140.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Molecular Weight</b>	60.0554		<b>Molecular Weight</b>	76.1160	
<b>Wiswesser Line Notation</b>	ZVZ		<b>Wiswesser Line Notation</b>	NCSH & ZH	
<b>Evaluation</b>	A		<b>Evaluation A</b>		
 <b>CH<sub>4</sub>N<sub>2</sub>O</b> (c)		88GAM/BRO	 <b>CH<sub>4</sub>N<sub>2</sub>S</b> (c)		88PET/
Urea			Ammonium thiocyanate		
<b>Heat Capacity</b>	304.7 K, Temperature range 303 to 413 K.	$C_p=94.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Phase Changes</b>		
<b>Phase Changes</b>			c,II/c,I	360.7 K,	$\Delta H=3200 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=8.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c/liq	406 K,	$\Delta H=14500 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=35.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Molecular Weight</b>	76.1160	
<b>Molecular Weight</b>	60.0554		<b>Wiswesser Line Notation</b>	NCSH & ZH	
<b>Wiswesser Line Notation</b>	ZVZ		<b>Evaluation A</b>		
<b>Evaluation</b>	B				
 <b>CH<sub>4</sub>N<sub>2</sub>O</b> (c)		93AND/MAT	 <b>(CH<sub>4</sub>N<sub>2</sub>S)<sub>3</sub>·C<sub>2</sub>H<sub>2</sub>Cl<sub>4</sub></b> (c)		92SEK/I
Urea			Thiourea 1,1,2,2-tetrachloroethane clathrate		
<b>Heat Capacity</b>	298.15 K, Temperature range 15 to 310 K.	$C_p=92.79 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K, $C_p=414.06 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Entropy</b>	298.15 K,	$S=104.26 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	Temperature range 13 to 330 K.		
<b>Molecular Weight</b>	60.0554		<b>Entropy</b>	298.15 K, $S=570.71 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Wiswesser Line Notation</b>	ZVZ		<b>Phase Changes</b>		
<b>Evaluation</b>	A		c,III/c,II	224 K,	$\Delta H=5940 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=28.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
			c,II/c,I	248 K,	$\Delta H=2756 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=11.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
			<b>Molecular Weight</b>	396.1978	
			<b>Wiswesser Line Notation</b>	ZYZUS 3 & GYGYGG	
			<b>Evaluation A</b>		

<b>CH<sub>4</sub>N<sub>4</sub>O<sub>2</sub></b> (c)	73KRI/LIC	<b>CH<sub>4</sub>O</b> (liq)	29KEL5
Nitroguanidine		Methanol; Methyl alcohol	
<b>Heat Capacity</b> 298 K,	$C_p = 129.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b> 292.0 K,	$C_p = 79.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 200 to 460 K. Equation only.		Temperature range 16 to 293 K. Value is unsmoothed experimental datum.	
<b>Molecular Weight</b> 104.0682			
<b>Wiswesser Line Notation</b> WNMYZUM			
<b>Evaluation</b> C			
<b>CD<sub>4</sub>O</b> (liq)	92FIL/AFA	<b>CH<sub>4</sub>O</b> (liq)	29PAR/KEL
Methanol-d <sub>4</sub> ; Methyl alcohol-d <sub>4</sub>		Methanol; Methyl alcohol	
<b>Heat Capacity</b> 298.15 K,	$C_p = 87.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Entropy</b> 298.1 K,	$S = 126.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
One temperature.		<b>Phase Changes</b>	
<b>Molecular Weight</b> 36.0744		c,II/c,I 157.4 K,	$\Delta H = 645.6 \text{ J}\cdot\text{mol}^{-1}$
<b>Wiswesser Line Notation</b> QH &1H-2 &2H-2 3		c,I/liq 175.2 K,	$\Delta S = 4.10 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Evaluation</b> B			$\Delta H = 3167 \text{ J}\cdot\text{mol}^{-1}$
			$\Delta S = 18.08 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>CHD<sub>3</sub>O</b> (liq)	92FIL/AFA	<b>CH<sub>4</sub>O</b> (liq)	29MIT/HAR
Methanol-d <sub>3</sub> ; Methyl alcohol-d <sub>3</sub>		Methanol; Methyl alcohol	
<b>Heat Capacity</b> 298.15 K,	$C_p = 84.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b> 270 K,	$C_p = 78.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
One temperature.		Temperature range 190 to 270 K.	
<b>Molecular Weight</b> 35.0663		<b>Molecular Weight</b> 32.0420	
<b>Wiswesser Line Notation</b> Q1 &2H-2 3		<b>Wiswesser Line Notation</b> Q1	
<b>Evaluation</b> B		<b>Evaluation</b> C	
<b>CH<sub>4</sub>O</b> (liq)	1881REI	<b>CH<sub>4</sub>O</b> (liq)	31FIO/GIN
Methanol; Methyl alcohol		Methanol; Methyl alcohol	
<b>Heat Capacity</b> 298 K,	$C_p = 83.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b> 313.15 K,	$C_p = 83.56 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 288 to 335 K.		Temperature range 40 to 110 °C.	
<b>Molecular Weight</b> 32.0420		<b>Molecular Weight</b> 32.0420	
<b>Wiswesser Line Notation</b> Q1		<b>Wiswesser Line Notation</b> Q1	
<b>Evaluation</b> D		<b>Evaluation</b> A	
<b>CH<sub>4</sub>O</b> (liq)	07WAL	<b>CH<sub>4</sub>O</b> (liq)	37AHL/BLA
Methanol; Methyl alcohol		Methanol; Methyl alcohol	
<b>Heat Capacity</b> 291 K,	$C_p = 79 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b> 20.5 K,	$C_p = 5.40 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
One temperature.		Temperature range 5 to 28 K.	
<b>Molecular Weight</b> 32.0420		<b>Entropy</b> 16.25 K,	$S = 1.117 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Wiswesser Line Notation</b> Q1		<b>Molecular Weight</b> 32.0420	
<b>Evaluation</b> D		<b>Wiswesser Line Notation</b> Q1	
 		<b>Evaluation</b> A	
<b>CH<sub>4</sub>O</b> (c)	25MAA/WAL	<b>CH<sub>4</sub>O</b> (c)	39PHI
Methanol; Methyl alcohol		Methanol; Methyl alcohol	
<b>Heat Capacity</b> 173 K,	$C_p = 105 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b> 300.8 K,	$C_p = 86.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 93 to 173 K.		One temperature.	
<b>Phase Changes</b>			
c/liq 176 K,	$\Delta H = 2196 \text{ J}\cdot\text{mol}^{-1}$		
	$\Delta S = 12.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		
<b>Molecular Weight</b> 32.0420			
<b>Wiswesser Line Notation</b> Q1			
<b>Evaluation</b> C			
<b>CH<sub>4</sub>O</b> (liq)	25PAR	<b>CH<sub>4</sub>O</b> (liq)	
Methanol; Methyl alcohol		Methanol; Methyl alcohol	
<b>Heat Capacity</b> 290.1 K,	$C_p = 79.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	
Temperature range 89 to 290 K. Value is unsmoothed experimental datum.		300.8 K,	
<b>Entropy</b> 298.1 K,	$S = 136.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	$C_p = 86.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Extrapolation below 90 K. 40.75 $\text{J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ .			
<b>Phase Changes</b>			
c,II/c,I 161.1 K,	$\Delta H = 590 \text{ J}\cdot\text{mol}^{-1}$		
	$\Delta S = 3.66 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		
c,I/liq 175.3 K,	$\Delta H = 3176 \text{ J}\cdot\text{mol}^{-1}$		
	$\Delta S = 18.12 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		
<b>Molecular Weight</b> 32.0420			
<b>Wiswesser Line Notation</b> Q1			
<b>Evaluation</b> R( $C_p$ ), C( $S$ )			

<b>CH<sub>3</sub>O</b> (liq)		49STA/GUP	<b>CH<sub>3</sub>O</b> (liq)		71CAR/W
Methanol; Methyl alcohol			Methanol; Methyl alcohol		
<b>Heat Capacity</b> 270 K,		$C_p = 75.77 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,		$C_p = 81.13 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 90 to 270 K.			Temperature range 5 to 332 K.		
<b>Phase Changes</b>			<b>Entropy</b> 298.15 K,		$S = 127.19 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c,II/c,I 157.8 K,		$\Delta H = 711 \text{ J}\cdot\text{mol}^{-1}$	<b>Phase Changes</b>		$\Delta H = 636.0 \text{ J}\cdot\text{mol}^{-1}$
c,I/liq 175.4 K,		$\Delta S = 4.51 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	c,II/c,I 157.34 K,		$\Delta S = 4.04 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b> 32.0420		$\Delta H = 3159 \text{ J}\cdot\text{mol}^{-1}$	c,I/liq 175.59 K,		$\Delta H = 3215.4 \text{ J}\cdot\text{mol}^{-1}$
<b>Wiswesser Line Notation</b> Q1		$\Delta S = 18.01 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Molecular Weight</b> 32.0420		$\Delta S = 18.31 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Evaluation</b> B			<b>Wiswesser Line Notation</b> Q1		
			<b>Evaluation</b> A		
<b>CH<sub>3</sub>O</b> (liq)		50HOU/MAS	<b>CH<sub>3</sub>O</b> (liq)		71DES/B
Methanol; Methyl alcohol			Methanol; Methyl alcohol		
<b>Heat Capacity</b> 323 K,		$C_p = 86.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b> 298 K,		$C_p = 83.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 323 to 353 K.			Temperature range 298 to 318 K.		
<b>Molecular Weight</b> 32.0420			<b>Molecular Weight</b> 32.0420		
<b>Wiswesser Line Notation</b> Q1			<b>Wiswesser Line Notation</b> Q1		
<b>Evaluation</b> B			<b>Evaluation</b> B		
<b>CH<sub>3</sub>O</b> (liq)		60SWI/ZIE	<b>CH<sub>3</sub>O</b> (liq)		81ATA/E
Methanol; Methyl alcohol			Methanol; Methyl alcohol		
<b>Heat Capacity</b> 311 K,		$C_p = 80.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b> 293.15 K,		$C_p = 80.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Mean value 21 to 56 °C.			One temperature.		
<b>Molecular Weight</b> 32.0420			<b>Molecular Weight</b> 32.0420		
<b>Wiswesser Line Notation</b> Q1			<b>Wiswesser Line Notation</b> Q1		
<b>Evaluation</b> C			<b>Evaluation</b> B		
<b>CH<sub>3</sub>O</b> (liq)		62KAT	<b>CH<sub>3</sub>O</b> (liq)		82BEN/D
Methanol; Methyl alcohol			Methanol; Methyl alcohol		
<b>Heat Capacity</b> 298.2 K,		$C_p = 85.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b> 288.15 K,		$C_p = 78.90 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 10 to 60 °C.			One temperature.		
<b>Molecular Weight</b> 32.0420			<b>Molecular Weight</b> 32.0420		
<b>Wiswesser Line Notation</b> Q1			<b>Wiswesser Line Notation</b> Q1		
<b>Evaluation</b> B			<b>Evaluation</b> B		
<b>CH<sub>3</sub>O</b> (gls)		68SUG/SUG	<b>CH<sub>3</sub>O</b> (liq)		82VIL/C
Methanol; Methyl alcohol			Methanol; Methyl alcohol		
<b>Heat Capacity</b> 120 K,		$C_p = 68.39 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,		$C_p = 81.92 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 20 to 120 K.			One temperature.		
<b>Phase Changes</b>			<b>Molecular Weight</b> 32.0420		
c/gls 103 K,		$\Delta H = 1540 \text{ J}\cdot\text{mol}^{-1}$	<b>Wiswesser Line Notation</b> Q1		
Glass transition.		$\Delta S = 14.95 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Evaluation</b> B		
c/liq 175 K					
<b>Molecular Weight</b> 32.0420					
<b>Wiswesser Line Notation</b> Q1					
<b>Evaluation</b> A					
<b>CH<sub>3</sub>O</b> (liq)		70PAZ/PAZ	<b>CH<sub>3</sub>O</b> (liq)		84ZEG/S
Methanol; Methyl alcohol			Methanol; Methyl alcohol		
<b>Heat Capacity</b> 313.2 K,		$C_p = 85.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,		$C_p = 81.47 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
One temperature.			<b>Molecular Weight</b> 32.0420		
<b>Molecular Weight</b> 32.0420			<b>Wiswesser Line Notation</b> Q1		
<b>Wiswesser Line Notation</b> Q1			<b>Evaluation</b> B		
<b>Evaluation</b> B					
<b>CH<sub>3</sub>O</b> (liq)			<b>CH<sub>3</sub>O</b> (liq)		85COS/
Methanol; Methyl alcohol			Methanol; Methyl alcohol		
<b>Heat Capacity</b> 298.15 K,			<b>Heat Capacity</b> 298.15 K,		$C_p = 80.22 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 298.15, 313.15 K.			Temperature range 298.15, 313.15 K.		
<b>Molecular Weight</b> 32.0420			<b>Molecular Weight</b> 32.0420		
<b>Wiswesser Line Notation</b> Q1			<b>Wiswesser Line Notation</b> Q1		
<b>Evaluation</b> B			<b>Evaluation</b> B		

<b>CH<sub>4</sub>O</b> (liq)		86KOR/KUK	<b>CH<sub>4</sub>O<sub>3</sub></b> (liq)		1881REI
Methanol; Methyl alcohol			Orthoformic acid		
<b>Heat Capacity</b> 298 K,	$C_p = 81.32 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 298 K,	$C_p = 155.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Molecular Weight</b> 32.0420			Temperature range 293 to 406 K.		
<b>Wiswesser Line Notation</b> Q1			<b>Molecular Weight</b> 64.0408		
<b>Evaluation</b> B			<b>Wiswesser Line Notation</b> QYQQ		
<b>CH<sub>4</sub>O</b> (liq)		86OGA/MUR	<b>Evaluation</b> D		
Methanol; Methyl alcohol					
<b>Heat Capacity</b> 298.15 K,	$C_p = 80.28 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$				
One temperature.					
<b>Molecular Weight</b> 32.0420					
<b>Wiswesser Line Notation</b> Q1					
<b>Evaluation</b> B					
<b>CH<sub>4</sub>O</b> (liq)		86TAN/TOY	<b>CH<sub>4</sub>S</b> (liq)		42RUS/OSB
Methanol; Methyl alcohol			Methanethiol; Methyl mercaptan		
<b>Heat Capacity</b> 298.15 K,	$C_p = 81.56 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 280 K,	$C_p = 89.04 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
One temperature.			Temperature range 15 to 280 K.		
<b>Molecular Weight</b> 32.0420			<b>Entropy</b> 279.12 K,	$S = 163.22 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Wiswesser Line Notation</b> Q1			<b>Phase Changes</b>		
<b>Evaluation</b> A			c,II/c,I 137.6 K,	$\Delta H = 219.7 \text{ J}\cdot\text{mol}^{-1}$	
			c,I/liq 150.16 K,	$\Delta S = 1.60 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
			liq/g 279.12 K,	$\Delta H = 5904 \text{ J}\cdot\text{mol}^{-1}$	
				$\Delta S = 39.32 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
				$\Delta H = 24568 \text{ J}\cdot\text{mol}^{-1}$	
				$\Delta S = 88.02 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
				$P = 101.325 \text{ kPa}$	
<b>CH<sub>4</sub>O</b> (liq)		87LAN/CRI	<b>Molecular Weight</b> 48.1026		
Methanol; Methyl alcohol			<b>Wiswesser Line Notation</b> SH1		
<b>Heat Capacity</b> 298.15 K,	$C_p = 81.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Evaluation</b> A		
One temperature.					
<b>Molecular Weight</b> 32.0420					
<b>Wiswesser Line Notation</b> Q1					
<b>Evaluation</b> B					
<b>CH<sub>4</sub>O</b> (liq)		88AND/PAT	<b>CH<sub>3</sub>N</b> (liq)		37AST/SIL
Methanol; Methyl alcohol			Aminomethane; Methylamine		
<b>Heat Capacity</b> 298.15 K,	$C_p = 80.24 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 259.28 K,	$C_p = 101.80 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
One temperature.			Temperature range 14 to 259 K. Value is unsmoothed experimental datum.		
<b>Molecular Weight</b> 32.0420			<b>Entropy</b> 298.15 K,	$S = 150.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Wiswesser Line Notation</b> Q1			For superheated liquid, using extrapolated heat capacities.		
<b>Evaluation</b> B			<b>Phase Changes</b>		
			c/liq 179.70 K,	$\Delta H = 6134 \text{ J}\cdot\text{mol}^{-1}$	
			liq/g 266.84 K,	$\Delta S = 34.13 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
				$\Delta H = 25811 \text{ J}\cdot\text{mol}^{-1}$	
				$\Delta S = 96.73 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>CH<sub>4</sub>O</b> (liq)		88OKA/OGA	<b>Molecular Weight</b> 31.0572		
Methanol; Methyl alcohol			<b>Wiswesser Line Notation</b> Z1		
<b>Heat Capacity</b> 298.15 K,	$C_p = 80.35 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Evaluation</b> A		
One temperature.					
<b>Molecular Weight</b> 32.0420					
<b>Wiswesser Line Notation</b> Q1					
<b>Evaluation</b> B					
<b>CH<sub>4</sub>O</b> (liq)		89KHA/ZYK	<b>CH<sub>5</sub>N<sub>3</sub>O</b> (c)		85NUR/BER
Methanol; Methyl alcohol			Semicarbazide		
<b>Heat Capacity</b> 298.15 K,	$C_p = 81.11 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K,	$C_p = 110.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 175 to 338 K. Unsmoothed experimental datum.			Temperature range 60 to 330 K.		
<b>Molecular Weight</b> 32.0420			<b>Entropy</b> 298.15 K,	$S = 119.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Wiswesser Line Notation</b> Q1			<b>Molecular Weight</b> 75.0700		
<b>Evaluation</b> B			<b>Wiswesser Line Notation</b> ZVMZ		
<b>CH<sub>4</sub>O</b> (liq)		92FIL/AFA	<b>Evaluation</b> A		
Methanol; Methyl alcohol					
<b>Heat Capacity</b> 298.15 K,	$C_p = 79.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$				
One temperature.					
<b>Molecular Weight</b> 32.0420					
<b>Wiswesser Line Notation</b> Q1					
<b>Evaluation</b> B					

$\text{CH}_5\text{N}_3\text{O}_3\text{S}$	(c)					
Thiourea nitrate						
Heat Capacity	298.15 K, Temperature range 8 to 330 K.	$C_p=175.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		84NUR/BER		
Entropy	298.15 K,	$S=213.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$				
Phase Changes	c,II/c,I	265.3 K, $\Delta H=34.0 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=0.130 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$				
Molecular Weight	139.1288					
Wiswesser Line Notation	ZYZUS &WNQ					
Evaluation	A					
$\text{CH}_5\text{N}_3\text{O}_4$	(c)			85NUR/BER		
Urea nitrate						
Heat Capacity	298.15 K, Temperature range 13 to 330 K.	$C_p=158.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$				
Entropy	298.15 K,	$S=189.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$				
Molecular Weight	123.0682					
Wiswesser Line Notation	ZVZ &WNQ					
Evaluation	A					
$\text{CH}_5\text{N}_3\text{S}$	(c)			82TOR/SAB		
Thiosemicarbazide						
Heat Capacity	298.15 K, One temperature. $C_p$ data given as $1.217 \text{ J}\cdot\text{K}^{-1}\cdot\text{g}^{-1}$ .	$C_p=110.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$				
Phase Changes	c/g	298.15 K, $\Delta H=125800 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=421.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$				
Molecular Weight	91.1306					
Wiswesser Line Notation	ZYMZUS					
Evaluation	B					
$\text{CH}_5\text{N}_3\text{S}$	(c)			84NUR/BER		
Thiosemicarbazide						
Heat Capacity	298.15 K, Temperature range 8 to 330 K.	$C_p=114.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$				
Entropy	298.15 K,	$S=128.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$				
Phase Changes	c,II/c,I	268.9 K, $\Delta H=70.0 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=0.250 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$				
Molecular Weight	91.1306					
Wiswesser Line Notation	ZYMZUS					
Evaluation	A					
$\text{CH}_5\text{N}_3\text{S}$	(c,I)			85NUR/BER		
Thiosemicarbazide						
Heat Capacity	298.15 K, Temperature range 8 to 330 K.	$C_p=114.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$				
Entropy	298.15 K,	$S=128.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$				
Phase Changes	c,II/c,I	268.9 K, $\Delta H=70.0 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=0.250 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$				
Molecular Weight	91.1306					
Wiswesser Line Notation	ZYMZUS					
Evaluation	A					
$\text{CD}_6\text{IN}$	(c)			92YAM/MAT		
Methylammonium iodide-d <sub>6</sub>						
Heat Capacity	Temperature range 13 to 303 K. Data not given.					
Phase Changes	c,II/c,I	164.0 K, $\Delta S=8.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ $\delta$ to $\alpha'$ transition.				
Molecular Weight	165.0170					
Wiswesser Line Notation	Z1 &IH &1/2/5/H-2 6					
Evaluation	B					
$\text{CH}_6\text{AlNO}_3\text{S}_2\cdot12\text{H}_2\text{O}$	(c)					68ASH/S
Methyl ammonium aluminum alum						
Heat Capacity	300 K, Temperature range 5 to 300 K.	$C_p=787.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$				
Entropy	300 K,	$S=764.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$				
Phase Changes	c,II/c,I	176.18 K, 90 K Anomaly: Schottky type anomaly between 65 and 120 K, maximum at 90 K, entropy estimated to be between 6 and 9 $\text{J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ . 176 Anomaly: Due to free rotation of methylammonium group ( $\text{CH}_3\text{NH}$ ) observed entropy change at 176.18 K is $9.70 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ .				
Molecular Weight	467.3442					
Wiswesser Line Notation	AL Z1 & S-O4*2 QH-12-					
Evaluation	A					
$\text{CH}_6\text{ClIN}$	(c)					46AST/Z
Methylammonium chloride						
Heat Capacity	298.15 K, Temperature range 12 to 298 K.	$C_p=90.92 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$				
Entropy	298 K, Using metastable c, II below 220 K gives $S=138.70 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ .	$S=138.53 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$				
Phase Changes	c,III/c,II	220.4 K, $\Delta H=1778 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=8.07 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$				
	c,II/c,I	264.5 K, $\Delta H=2820 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=10.66 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$				
Molecular Weight	67.5181					
Wiswesser Line Notation	Z1 &GH					
Evaluation	A					
$\text{CH}_6\text{BrN}$	(c)					90GEN/L1
Methylammoniumbromide						
Heat Capacity	300 K, Temperature range 300 to 480 K. $C_p(c)=155.1 - 0.514T + 8.70 \times 10^{-3} T^2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ (300 to 480 K).	$C_p=79.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$				
Phase Changes	c,III/c,II	397.7 K, $\Delta H=1600 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=4.02 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$				
	c,II/c,I	488.4 K, $\Delta H=3510 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=7.18 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$				
	c,I/liq	531.9 K, $\Delta H=8340 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=15.69 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$				
Molecular Weight	111.9691					
Wiswesser Line Notation	Z1 &EH					
Evaluation	A					
$\text{CH}_6\text{Br}_3\text{NPb}$	(c)					90ONO/M
Methylammonium tribromoplumbate(II)						
Heat Capacity	300.44 K, Temperature range 13 to 300 K. Unsmoothed experimental datum.	$C_p=170.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$				
Phase Changes	c,IV/c,III	148.8 K, $\Delta H=1590 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=11.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$				
	c,III/c,II	154.0 K, $\Delta H=620 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=4.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$				
	c,II/c,I	236.3 K, $\Delta H=1710 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=8.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$				
Molecular Weight	478.9771					
Wiswesser Line Notation	Z1 &-PB-EEE					
Evaluation	A					

51AST/FIN			
<b>CH<sub>3</sub>Br<sub>3</sub>NSN (c)</b>	91ONO/MAT	<b>CH<sub>6</sub>N<sub>2</sub> (liq)</b>	
Methyl ammonium tin bromide		Methylhydrazine	
<b>Heat Capacity</b> 298.15 K,	$C_p=170.45 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p=134.93 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 13 to 300 K.		Temperature range 15 to 298 K.	
<b>Entropy</b> 298.15 K,	$S=342.72 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Entropy</b> 298.15 K,	$S=165.94 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Phase Changes</b>		<b>Phase Changes</b>	
c,V/c,IV	46.0 K,	c/liq	220.79 K,
	$\Delta H=16 \text{ J}\cdot\text{mol}^{-1}$		$\Delta H=10418 \text{ J}\cdot\text{mol}^{-1}$
	$\Delta S=0.37 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		$\Delta S=47.19 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c,IV/c,III	188.2 K,	liq/g	298.15 K,
	$\Delta H=1000 \text{ J}\cdot\text{mol}^{-1}$		$\Delta H=40367 \text{ J}\cdot\text{mol}^{-1}$
	$\Delta S=6.02 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		$\Delta S=135.39 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c,III/c,II	213.0 K		
c,II/c,I	229.4 K,		
	$\Delta H=4280 \text{ J}\cdot\text{mol}^{-1}$		
	$\Delta S=18.98 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		
c,III/c,II plus c,II/c,I			
<b>Molecular Weight</b> 869.8911		<b>Molecular Weight</b> 46.0718	
<b>Wiswesser Line Notation</b> 1ZH .SN E3		<b>Wiswesser Line Notation</b> ZM1	
<b>Evaluation</b>	A	<b>Evaluation</b>	A
<b>CH<sub>6</sub>ClN<sub>3</sub>O (c)</b>	41SAT/SOG4	<b>CH<sub>6</sub>N<sub>2</sub>O<sub>2</sub> (c)</b>	28CLU/HAR
Semicarbazide hydrochloride		Ammonium carbamate	
<b>Heat Capacity</b> 323 K,	$C_p=143.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b> 295.5 K,	$C_p=131.00 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 0 to 100 °C. Mean value.		Temperature range 13 to 296 K.	
<b>Molecular Weight</b> 111.5309		<b>Molecular Weight</b> 78.0706	
<b>Wiswesser Line Notation</b> ZVMZ &GH		<b>Wiswesser Line Notation</b> ZVQ &ZH	
<b>Evaluation</b>	C	<b>Evaluation</b>	B
Same data in 40SAT/SOG5			
<b>CH<sub>6</sub>Cl<sub>3</sub>NPb (c)</b>	90ONO/MAT	<b>CH<sub>4</sub>N<sub>4</sub>S (c)</b>	82TOR/SAB
Methylammonium trichloroplumbate(II)		Thiocarbohydrazide	
<b>Heat Capacity</b> 300.23 K,	$C_p=170.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p=125.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 13 to 300 K. Unsmoothed experimental datum.		One temperature. $C_p$ data given as 1.180 J·K <sup>-1</sup> ·g <sup>-1</sup> .	
<b>Phase Changes</b>		<b>Phase Changes</b>	
c,III/c,II	171.5 K,	c/g	298.15 K,
	$\Delta H=2400 \text{ J}\cdot\text{mol}^{-1}$		$\Delta H=152100 \text{ J}\cdot\text{mol}^{-1}$
	$\Delta S=14.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		$\Delta S=510.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c,II/c,I	177.2 K,		
	$\Delta H=1920 \text{ J}\cdot\text{mol}^{-1}$		
	$\Delta S=10.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		
<b>Molecular Weight</b> 345.6241		<b>Molecular Weight</b> 106.1452	
<b>Wiswesser Line Notation</b> Z1 &-PB-GGG		<b>Wiswesser Line Notation</b> ZMYMZUS	
<b>Evaluation</b>	A	<b>Evaluation</b>	B
<b>CH<sub>6</sub>IN (c)</b>	86YAM/OGU	<b>CI<sub>4</sub> (c)</b>	93CAR/LAY
Methylammonium iodide		Tetraiodomethane	
<b>Heat Capacity</b> 298.15 K,	$C_p=93.93 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p=259.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 14 to 300 K.		One temperature.	
<b>Entropy</b> 298.15 K,	$S=160.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Molecular Weight</b> 519.6290	
<b>Phase Changes</b>		<b>Wiswesser Line Notation</b> IXIII	
c,II/c,I	166.1 K	<b>Evaluation</b>	A
Undercooled $\alpha'$ to metastable $\delta$ .			
<b>Molecular Weight</b> 158.9696			
<b>Wiswesser Line Notation</b> Z1 &IH			
<b>Evaluation</b>	A		
Data given for $\beta'$ phase from 10 to 220 K. $\beta'$ to $\alpha'$ phase transition at 220 K. $\Delta H=2970 \text{ J}\cdot\text{mol}^{-1}$ , $\Delta S=13.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ .			
<b>CH<sub>6</sub>I<sub>3</sub>NPb (c)</b>	90ONO/MAT	<b>CKNS (c)</b>	70VAN/WES
Methylammonium triiodoplumbate(II)		Potassium thiocyanate	
<b>Heat Capacity</b> 299.14 K,	$C_p=189.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p=88.53 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 13 to 365 K. Unsmoothed experimental datum.		Temperature range 5 to 340 K.	
<b>Phase Changes</b>		<b>Entropy</b> 298.15 K,	$S=124.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c,III/c,II	161.4 K,	<b>Molecular Weight</b> 97.1760	
	$\Delta H=2980 \text{ J}\cdot\text{mol}^{-1}$	<b>Wiswesser Line Notation</b> K SCN	
	$\Delta S=19.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Evaluation</b>	A
c,II/c,I	330.4 K,		
	$\Delta H=2580 \text{ J}\cdot\text{mol}^{-1}$		
	$\Delta S=9.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		
<b>Molecular Weight</b> 619.9786		Dependent on heating/cooling rate.	
<b>Wiswesser Line Notation</b> Z1 &-PB-III		<b>Molecular Weight</b> 97.1760	
<b>Evaluation</b>	A	<b>Wiswesser Line Notation</b> K SCN	
		<b>Evaluation</b>	A
<b>CKNS (c)</b>		<b>CKNS (c)</b>	92HAM/HOU
Potassium thiocyanate		Potassium thiocyanate	
<b>Phase Changes</b>		<b>Phase Changes</b>	
c,II/c,I	413 K,	c,II/c,I	
			$\Delta H=590-707 \text{ J}\cdot\text{mol}^{-1}$
			$\Delta S=1.43-1.71 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$

<b>COS</b> (liq)		37KEM/GIA	<b>CSe<sub>2</sub></b> (liq)		66GAT/D
Carbonyl sulfide			Carbon diselenide		
<b>Heat Capacity</b> 220 K,		$C_p = 71.25 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298 K,	$C_p = 88.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 20 to 220 K.			Temperature range -190 to 50 °C.		
<b>Entropy</b> 222.91 K,		$S = 136.31 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Entropy</b> 298 K,	$S = 165.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Phase Changes</b>			<b>Phase Changes</b>		
c/liq           134.33 K,		$\Delta H = 4728 \text{ J} \cdot \text{mol}^{-1}$	c/liq           229.5 K,	$\Delta H = 6360 \text{ J} \cdot \text{mol}^{-1}$	
liq/g           222.91 K,		$\Delta S = 35.20 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		$\Delta S = 27.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
		$\Delta H = 18506 \text{ J} \cdot \text{mol}^{-1}$			
		$\Delta S = 83.02 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
		$P = 101.325 \text{ kPa}$			
<b>Molecular Weight</b> 60.0704			<b>Molecular Weight</b> 169.9310		
<b>Wiswesser Line Notation</b> SCO			<b>Wiswesser Line Notation</b> -SE-C-SE-		
<b>Evaluation</b> A			<b>Evaluation</b> B		
<b>CS<sub>2</sub></b> (liq)		37BRO/MAN	<b>C<sub>2</sub>Br<sub>2</sub>D<sub>4</sub></b> (liq)		49WUY/J
Carbon disulfide			1,2-Dibromoethane-d <sub>4</sub>		
<b>Heat Capacity</b> 297.43 K,		$C_p = 76.02 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 310 K,	$C_p = 149.12 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 15 to 297 K. Value is unsmoothed experimental datum.			One temperature.		
<b>Entropy</b> 298.15 K,		$S = 151.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b> 191.8864		
<b>Phase Changes</b>			<b>Wiswesser Line Notation</b> E2E &2/H-2 4		
c/liq           161.11 K,		$\Delta H = 4389 \text{ J} \cdot \text{mol}^{-1}$	<b>Evaluation</b> C		
		$\Delta S = 27.24 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
<b>Molecular Weight</b> 76.1310					
<b>Wiswesser Line Notation</b> SCS					
<b>Evaluation</b> A					
<b>CS<sub>2</sub></b> (liq)		39MAZ3	<b>C<sub>2</sub>Br<sub>2</sub>F<sub>4</sub></b> (liq)		82KOS/Z
Carbon disulfide			1,2-Dibromotetrafluoroethane		
<b>Heat Capacity</b> 293 K,		$C_p = 77.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p = 170.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range -100 to 20 °C.			Temperature range 8 to 300 K.		
<b>Molecular Weight</b> 76.1310			<b>Entropy</b> 298.15 K,	$S = 299.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Wiswesser Line Notation</b> SCS			<b>Phase Changes</b>		
<b>Evaluation</b> C			c,I/liq       162.83 K,	$\Delta H = 7036.7 \text{ J} \cdot \text{mol}^{-1}$	
				$\Delta S = 43.22 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>CS<sub>2</sub></b> (liq)		39PHI	<b>C<sub>2</sub>Br<sub>2</sub>F<sub>4</sub></b> (liq)		88VES/Z
Carbon disulfide			1,2-Dibromotetrafluoroethane		
<b>Heat Capacity</b> 301.2 K,		$C_p = 76.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p = 173.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
One temperature.			Temperature range 298 to 318 K. $C_p(\text{J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}) = 13 + 0.1420(T/\text{K})$ (298 to 318 K).		
<b>Molecular Weight</b> 76.1310			<b>Molecular Weight</b> 259.8236		
<b>Wiswesser Line Notation</b> SCS			<b>Wiswesser Line Notation</b> FXFEXFFE		
<b>Evaluation</b> C			<b>Evaluation</b> A		
<b>CS<sub>2</sub></b> (liq)		45ZHD	<b>C<sub>2</sub>CaO<sub>4</sub>·H<sub>2</sub>O</b> (c)		33LAT/S
Carbon disulfide			Calcium oxalate monohydrate		
<b>Heat Capacity</b> 294.81 K,		$C_p = 74.89 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 299.78 K,	$C_p = 152.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 7 to 31 °C. Value is unsmoothed experimental datum.			Temperature range 19 to 300 K. $C_p$ value is unsmoothed experimental datum.		
<b>Molecular Weight</b> 76.1310			<b>Entropy</b> 298.1 K,	$S = 156.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Wiswesser Line Notation</b> SCS			<b>Molecular Weight</b> 146.1128		
<b>Evaluation</b> B			<b>Wiswesser Line Notation</b> OVVO .CA &QH		
			<b>Evaluation</b> B		
<b>CS<sub>2</sub></b> (liq)		55STA/TUP	<b>C<sub>2</sub>ClF<sub>3</sub></b> (liq)		51OLI/
Carbon disulfide			Chlorotrifluoroethene; Chlorotrifluoroethylene; Trifluorochloroethylene		
<b>Heat Capacity</b> 298 K,		$C_p = 78.99 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 244.80 K,	$C_p = 122.42 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 286 to 317 K.			Temperature range 16 to 245 K.		
<b>Molecular Weight</b> 76.1310			<b>Entropy</b> 244.80 K,	$S = 220.66 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Wiswesser Line Notation</b> SCS			<b>Phase Changes</b>		
<b>Evaluation</b> B			c/liq           115.0 K,	$\Delta H = 5552.6 \text{ J} \cdot \text{mol}^{-1}$	
				$\Delta S = 48.28 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Molecular Weight</b> 116.4702			<b>Molecular Weight</b> 116.4702		
<b>Wiswesser Line Notation</b> GYFUYFF			<b>Wiswesser Line Notation</b> GYFUYFF		
<b>Evaluation</b> A			<b>Evaluation</b> A		

$C_2ClF_3$ (liq)	84GOL/KOL	$C_2Cl_2F_4$ (liq)	37PER
Chlorotrifluoroethene; Chlorotrifluoroethylene; Trifluorochloroethane; Trifluorochloroethylene		1,2-Dichloro-1,1,2,2-tetrafluoroethane; Freon 114	
<b>Phase Changes</b>		<b>Heat Capacity</b> 293.3 K, $C_p=169.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
c/liq 118.3 K, $\Delta H=5282 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=44.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		Temperature range -188 to 20 °C. Value is unsmoothed experimental datum.	
<b>Molecular Weight</b> 116.4702		<b>Molecular Weight</b> 170.9216	
<b>Wiswesser Line Notation</b> GYFUYFFF		<b>Wiswesser Line Notation</b> GXFFXGFF	
<b>Evaluation</b> A		<b>Evaluation</b> C	
		Probably a mixture of isomers.	
$(C_2ClF_3)_n$ (c)	52HOF	$C_2Cl_2F_4$ (liq)	37PER2
Polytrifluorochloroethylene; Polytrifluorovinyl chloride		1,2-Dichloro-1,1,2,2-tetrafluoroethane; Freon 114	
<b>Heat Capacity</b> 298 K, $C_p=101.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 293.3 K, $C_p=169.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 0 to 241 °C. Values given for air-quenched and slow-cooled samples. Values per monomer unit slow-cooled samples. Unsmoothed experimental datum.		Temperature range -188 to 20 °C. Value is unsmoothed experimental datum.	
<b>Molecular Weight</b> 116.4702		<b>Molecular Weight</b> 170.9216	
<b>Wiswesser Line Notation</b> /*XGFXXFF*/		<b>Wiswesser Line Notation</b> GXFFXGFF	
<b>Evaluation</b> B		<b>Evaluation</b> C	
		Probably a mixture of isomers. Shows peaks in heat capacity at -180 °C, -140 °C, and -100 °C, which may be glassy transitions.	
$(C_2ClF_3)_n$ (liq)	57YAR/KAY	$C_2Cl_2F_4$ (liq)	81KOL/KOS
Polytrifluorochloroethylene; Polytrifluorovinyl chloride		1,2-Dichloro-1,1,2,2-tetrafluoroethane; Freon 114	
<b>Heat Capacity</b> 298 K, $C_p=116.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 98.15 K, $C_p=164.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 298 to 373 K. Equation only. Values per monomer unit.		Temperature range 8 to 300 K.	
<b>Molecular Weight</b> 116.4702		<b>Entropy</b> 298.15 K, $S=282.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Wiswesser Line Notation</b> /*XGFXXFF*/		<b>Phase Changes</b>	
<b>Evaluation</b> B		c,III/c,II 109.3 K, $\Delta H=1212 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=11.09 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
		c,II/c,I 134.6 K, $\Delta H=2628 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=19.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
		c,I/liq 180.62 K, $\Delta H=1510 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=8.36 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
$(C_2ClF_3)_n$ (c)	92CHA/WEE	<b>Molecular Weight</b> 170.9216	
Polytrifluorochloroethylene; Polytrifluorovinyl chloride		<b>Wiswesser Line Notation</b> GXFFXGFF	
<b>Heat Capacity</b> 298.15 K, $C_p=97.22 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Evaluation</b> A	
Temperature range 2.5 to 620 K.			
$C_p$ (amorph, 298.15 K)=103.93 J/mol·K.			
<b>Entropy</b> 298.15 K, $S=111.00 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
S(amorph, 298.15 K)=110.27 J/mol·K.			
<b>Phase Changes</b>			
c/liq 497 K, $\Delta H=4659 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=9.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
<b>Molecular Weight</b> 116.4702			
<b>Wiswesser Line Notation</b> /*XGFXXFF*/			
<b>Evaluation</b> A			
T(glass)=240 to 400 K. Thermal treatment yields varying degrees of sample crystallinity with related but differing values for Tm and $\Delta H$ fusion.			
$C_2ClF_5$ (liq)	55AST/WIL	$C_2Cl_2F_4$ (liq)	88SAI/SAT
Pentafluorochloroethane		1,2-Dichloro-1,1,2,2-tetrafluoroethane; Freon 114	
<b>Heat Capacity</b> 234.04 K, $C_p=145.27 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b>	
Temperature range 15 to 234 K. Value is unsmoothed experimental datum.		Pressure, temperature study, equation only.	
<b>Entropy</b> 234.04 K, $S=248.03 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Molecular Weight</b> 170.9216	
<b>Phase Changes</b>		<b>Wiswesser Line Notation</b> GXFFXGFF	
c,II/c,I 80.24 K, $\Delta H=2628 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=32.75 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Evaluation</b> A	
c,II/liq 173.71 K, $\Delta H=1879 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=10.82 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
liq/g 234.04 K, $\Delta H=19410 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=82.93 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ $P=101.325 \text{ kPa}$			
<b>Molecular Weight</b> 154.4670			
<b>Wiswesser Line Notation</b> GXFFXFFF			
<b>Evaluation</b> A			
$C_2Cl_3F_3$ (liq)	38RIE	$C_2Cl_3F_3$ (liq)	39RIE
1,1,2-Trichloro-1,2,2-trifluoroethane; Freon 113		1,1,2-Trichloro-1,2,2-trifluoroethane; Freon 113	
<b>Heat Capacity</b> 98.2 K, $C_p=177.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 298.2 K, $C_p=177.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range -30 to 61 °C.		Temperature range -30 to 61 °C.	
<b>Molecular Weight</b> 187.3762		<b>Molecular Weight</b> 187.3762	
<b>Wiswesser Line Notation</b> GXGFXGFF		<b>Wiswesser Line Notation</b> GXGFXGFF	
<b>Evaluation</b> B		<b>Evaluation</b> B	

$C_2Cl_3F_3$ (liq)		40BEN/MCH	$C_2Cl_3F_3$ (liq)		88SVO/VI
1,1,2-Trichloro-1,2,2-trifluoroethane; Freon 113			1,1,1-Trichlorotrifluoroethane		
<b>Heat Capacity</b>	98.15 K,	$C_p=179.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.16 K,	$C_p=168.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 243 to 336 K. Data calculated from equation.			Temperature range 298.15 to 318.15 K. $C_p(\text{J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1})=109$	+0.200 (T/K) (298 to 318 K).	
<b>Molecular Weight</b>	187.3762		<b>Molecular Weight</b>	187.3762	
<b>Wiswesser Line Notation</b>	GXGFXGFF		<b>Wiswesser Line Notation</b>	GXGGXFFF	
<b>Evaluation</b>	B		<b>Evaluation</b>	A	
$C_2Cl_3F_3$ (liq)		81KOL/KOS	$C_2Cl_4$ (liq)		1881R
1,1,2-Trichloro-1,2,2-trifluoroethane; Freon 113			Tetrachloroethylene; Tetrachloroethene		
<b>Heat Capacity</b>	298.15 K,	$C_p=172.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298 K,	$C_p=146.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 8 to 300 K.			Temperature range 291 to 410 K.		
<b>Entropy</b>	298.15 K,	$S=289.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b>	165.8340	
<b>Phase Changes</b>			<b>Wiswesser Line Notation</b>	GYGUYGG	
c,II/c,I	82.5 K,	$\Delta H=830.9 \text{ J} \cdot \text{mol}^{-1}$	<b>Evaluation</b>	D	
		$\Delta S=10.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
c,I/liq	236.92 K,	$\Delta H=2467 \text{ J} \cdot \text{mol}^{-1}$			
		$\Delta S=10.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
<b>Molecular Weight</b>	187.3762		 		
<b>Wiswesser Line Notation</b>	GXGFXGFF		 		
<b>Evaluation</b>	A		 		
$C_2Cl_3F_3$ (liq)		84GOL/KOL	$C_2Cl_4$ (liq)		48KU
1,1,2-Trichloro-1,2,2-trifluoroethane; Freon 113			Tetrachloroethylene; Tetrachloroethene		
<b>Phase Changes</b>			<b>Heat Capacity</b>	298 K,	$C_p=139.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c/liq	273.93 K,	$\Delta H=2326 \text{ J} \cdot \text{mol}^{-1}$	Temperature range 16 to 119 °C, mean $C_p$ two temperatures.		
		$\Delta S=8.49 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b>	165.8340	
<b>Molecular Weight</b>	187.3762		<b>Wiswesser Line Notation</b>	GYGUYGG	
<b>Wiswesser Line Notation</b>	GXGFXGFF		<b>Evaluation</b>	D	
<b>Evaluation</b>	A				
$C_2Cl_3F_3$ (liq)		88VES/ZAB	$C_2Cl_4$ (liq)		82GRO/IN
1,1,2-Trichloro-1,2,2-trifluoroethane; Freon 113			Tetrachloroethylene; Tetrachloroethene		
<b>Heat Capacity</b>	298.15 K,	$C_p=172.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p=146.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 298 to 318 K. $C_p(\text{J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1})=113.21$			Temperature range 298.15 K. One data point given.		
+0.1991(T/K) (240 to 337 K).			<b>Molecular Weight</b>	165.8340	
<b>Molecular Weight</b>	187.3762		<b>Wiswesser Line Notation</b>	GYGUYGG	
<b>Wiswesser Line Notation</b>	GXGFXGFF		<b>Evaluation</b>	A	
<b>Evaluation</b>	A				
$C_2Cl_3F_3$ (liq)		92WIR/BRA2	$C_2Cl_4$ (liq)		86NOV/RA
1,1,2-Trichloro-1,2,2-trifluoroethane; Freon 113			Tetrachloroethylene; Tetrachloroethene		
<b>Heat Capacity</b>	303.15 K,	$C_p=172.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p=157.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 288 to 503 K. $p=0.6 \text{ MPa}$ .			Temperature range 6 to 300 K.		
<b>Molecular Weight</b>	187.3762		<b>Entropy</b>	298.15 K,	$S=240.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b>	GXGFXGFF		<b>Phase Changes</b>	c,II/c,I	$\Delta H=820 \text{ J} \cdot \text{mol}^{-1}$
<b>Evaluation</b>	A				$\Delta S=5.26 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
			c/liq	250.81 K,	$\Delta H=10880 \text{ J} \cdot \text{mol}^{-1}$
					$\Delta S=43.38 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	165.8340				
<b>Wiswesser Line Notation</b>	GYGUYGG				
<b>Evaluation</b>	A				
$C_2Cl_3F_3$ (liq)		87OTT/WOO	$C_2Cl_4$ (liq)		89WIL/L
1,1,1-Trichlorotrifluoroethane			Tetrachloroethylene; Tetrachloroethene		
<b>Phase Changes</b>			<b>Heat Capacity</b>	298.15 K,	$C_p=147.16 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c,II/c,I	148 K		One temperature.		
Solid-plastic crystal.			<b>Molecular Weight</b>	165.8340	
c,I/liq	287.52 K,	$\Delta H=4110 \text{ J} \cdot \text{mol}^{-1}$	<b>Wiswesser Line Notation</b>	GYGUYGG	
		$\Delta S=14 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Evaluation</b>	B	
<b>Molecular Weight</b>	187.3762				
<b>Wiswesser Line Notation</b>	GXGGXFFF				
<b>Evaluation</b>	A				
$C_2Cl_3F_3$ (liq)		84GOL/K	$C_2Cl_4F_2$ (c)		
1,1,1,2-Tetrachlorodifluoroethane			Tetrachloroethylene; Tetrachloroethene		
<b>Phase Changes</b>			<b>Heat Capacity</b>	298.15 K,	$C_p=3990 \text{ J} \cdot \text{mol}^{-1}$
c,II/c,I			One temperature.		$\Delta S=12.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
			<b>Molecular Weight</b>	203.8308	
			<b>Wiswesser Line Notation</b>	GXGGXGFF	
			<b>Evaluation</b>	A	

<b>C<sub>2</sub>Cl<sub>4</sub>F<sub>2</sub></b> (liq)	57YAR/KAY	<b>C<sub>2</sub>Cl<sub>6</sub></b> (c)	70MUR/BRE2
1,1,2,2-Tetrachloro-1,2-difluoroethane		Hexachloroethane	
<b>Heat Capacity</b> 298 K, $C_p = 173.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Phase Changes</b>	
Temperature range 298 to 373 K. Equation only.		c,III/c,II	320 K, $\Delta H = 2605 \text{ J} \cdot \text{mol}^{-1}$
<b>Molecular Weight</b> 203.8308		c,II/c,I	345 K, $\Delta S = 8.16 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b> GXGFXGGF		c,I/liq	$\Delta H = 6310 \text{ J} \cdot \text{mol}^{-1}$
<b>Evaluation</b> B			$\Delta S = 18.32 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>C<sub>2</sub>Cl<sub>4</sub>F<sub>2</sub></b> (liq)	78KOS/KOL	<b>C<sub>2</sub>Cl<sub>6</sub></b> (c)	75RAK/GUT
1,1,2,2-Tetrachloro-1,2-difluoroethane		Hexachloroethane	
<b>Heat Capacity</b> 298.15 K, $C_p = 175.52 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K, $C_p = 198.24 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 12 to 310 K. Complete data deposited at VINITI, No. 3512-77, 20 Aug 1977.		Temperature range 13.7 to 360 K.	
<b>Entropy</b> 298.15 K, $S = 273.84 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Entropy</b> 298.15 K, $S = 237.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Low entropy of fusion indicates possible zero point entropy (disorder).		Entropy estimated at 13 K to be 3.10 $\text{J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .	
<b>Phase Changes</b>		<b>Phase Changes</b>	
c/liq	299.70 K, $\Delta H = 3696.6 \text{ J} \cdot \text{mol}^{-1}$	c,III/c,II	317.4 K, $\Delta H = 2644 \text{ J} \cdot \text{mol}^{-1}$
	$\Delta S = 12.33 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	c,II/c,I	344.6 K, $\Delta S = 8.33 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b> 203.8308			$\Delta H = 6916 \text{ J} \cdot \text{mol}^{-1}$
<b>Wiswesser Line Notation</b> GXGFXGGF			$\Delta S = 20.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Evaluation</b> B		<b>Molecular Weight</b> 236.7400	
<b>C<sub>2</sub>Cl<sub>4</sub>F<sub>2</sub></b> (liq)	78KIS/SUG	<b>Wiswesser Line Notation</b> GXGGXGGG	
1,1,2,2-Tetrachloro-1,2-difluoroethane		<b>Evaluation</b> A	
<b>Heat Capacity</b> 300 K, $C_p \approx 178.59 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>C<sub>2</sub>Cl<sub>6</sub></b> (c)	88PET/TSY
Temperature range 13 to 310 K.		Hexachloroethane	
<b>Entropy</b> 300 K, $S = 283.43 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Phase Changes</b>	
<b>Phase Changes</b>		c,III/c,II	316.8 K, $\Delta H = 2100 \text{ J} \cdot \text{mol}^{-1}$
c/liq	297.91 K, $\Delta H = 3666 \text{ J} \cdot \text{mol}^{-1}$	c,II/c,I	345.0 K, $\Delta S = 6.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
	$\Delta S = 12.31 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		$\Delta H = 6300 \text{ J} \cdot \text{mol}^{-1}$
<b>Molecular Weight</b> 203.8308			$\Delta S = 18.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b> GXGFXGGF		<b>Molecular Weight</b> 236.7400	
<b>Evaluation</b> A		<b>Wiswesser Line Notation</b> GXGGXGGG	
<b>C<sub>2</sub>Cl<sub>4</sub>F<sub>2</sub></b> (liq)	92SVO/KUB2	<b>Evaluation</b> A	
1,1,2,2-Tetrachloro-1,2-difluoroethane		<b>C<sub>2</sub>Cl<sub>6</sub>D<sub>12</sub>N<sub>2</sub>Sn</b> (c)	88MAT/YAN
<b>Phase Changes</b>		Bis(methylammonium-d <sub>6</sub> ) hexachlorostannate (IV)	
liq/g	366.2 K, $\Delta H = 35170 \text{ J} \cdot \text{mol}^{-1}$	<b>Heat Capacity</b> 298.15 K, $C_p \approx 321.68 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Value obtained by extrapolation.		Temperature range 13 to 300 K.	
<b>Molecular Weight</b> 203.8308		<b>Entropy</b> 298.15 K, $S = 498.62 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Wiswesser Line Notation</b> GXGFXGGF		<b>Phase Changes</b>	
<b>Evaluation</b> A		c,II/c,I	154.96 K, $\Delta H = 2810 \text{ J} \cdot \text{mol}^{-1}$
<b>C<sub>2</sub>Cl<sub>6</sub></b> (c)	50SEK/MOM		$\Delta S = 21.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Hexachloroethane			Order/disorder transition.
<b>Heat Capacity</b> 298.5 K, $C_p = 218.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Molecular Weight</b> 407.6512	
Temperature range 295 to 351 K. Unsmoothed experimental datum.		<b>Wiswesser Line Notation</b> 1ZH 2 -SN- G6 &1/H-2 3 &2/H-2 3	
<b>Phase Changes</b>		<b>Evaluation</b> A	
c,III/c,II	318 K, $\Delta H = 2565 \text{ J} \cdot \text{mol}^{-1}$	<b>C<sub>2</sub>DH<sub>3</sub>Br<sub>2</sub></b> (liq)	49DHO/JUN
	$\Delta S = 8.08 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	1,2-Dibromoethane-d <sub>1</sub> : Ethylene dibromide-d <sub>1</sub>	
c,II/c,I	345 K, $\Delta H = 8222 \text{ J} \cdot \text{mol}^{-1}$	<b>Heat capacity</b> 293 K, $C_p \approx 137.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
	$\Delta S = 23.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	One temperature.	
c,I/liq	458 K, $\Delta H = 9749 \text{ J} \cdot \text{mol}^{-1}$	<b>Molecular Weight</b> 188.8695	
	$\Delta S = 23.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Wiswesser Line Notation</b> E2E &2/H-2	
<b>Molecular Weight</b> 236.7400		<b>Evaluation</b> B	
<b>Wiswesser Line Notation</b> GXGGXGGG			
<b>Evaluation</b> B( $C_p$ ), A(Phase changes)			

<b>C<sub>2</sub>D<sub>3</sub>Br<sub>2</sub></b> (liq)	49WUY/JUN	<b>C<sub>2</sub>D<sub>3</sub>HBr<sub>2</sub></b> (liq)	49DHO/JU
1,2-Dibromoethane-d <sub>1</sub> ; Ethylene dibromide-d <sub>1</sub>		1,2-Dibromoethane-d <sub>3</sub> ; Ethylene dibromide-d <sub>3</sub>	
<b>Heat Capacity</b> 310 K,	$C_p = 138.28 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 293 K,	$C_p = 144.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
One temperature.		One temperature.	
<b>Molecular Weight</b> 188.8695		<b>Molecular Weight</b> 190.8853	
<b>Wiswesser Line Notation</b> E2E &2/H-2		<b>Wiswesser Line Notation</b> E2E &2/H-2 3	
<b>Evaluation</b> C		<b>Evaluation</b> C	
<b>C<sub>2</sub>D<sub>2</sub>H<sub>2</sub>Br<sub>2</sub></b> (liq)	49DHO/JUN	<b>C<sub>2</sub>D<sub>3</sub>HBr<sub>2</sub></b> (liq)	49WUY/JU
1,2-Dibromoethane-d <sub>2</sub> (1,1); Ethylene dibromide-d <sub>2</sub> (1,1)		1,2-Dibromoethane-d <sub>3</sub> ; Ethylene dibromide-d <sub>3</sub>	
<b>Heat Capacity</b> 293 K,	$C_p = 142.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 310 K,	$C_p = 145.14 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
One temperature.		One temperature.	
<b>Molecular Weight</b> 189.8774		<b>Molecular Weight</b> 190.8853	
<b>Wiswesser Line Notation</b> E2E &2-1/H-2 2		<b>Wiswesser Line Notation</b> E2E &2/H-2 3	
<b>Evaluation</b> C		<b>Evaluation</b> C	
<b>C<sub>2</sub>D<sub>2</sub>H<sub>2</sub>Br<sub>2</sub></b> (liq)	49WUY/JUN	<b>C<sub>2</sub>D<sub>4</sub>Br<sub>2</sub></b> (liq)	49DHO/JU
1,2-Dibromoethane-d <sub>2</sub> (1,1); Ethylene dibromide-d <sub>2</sub> (1,1)		1,2-Dibromoethane-d <sub>4</sub> ; Ethylene dibromide-d <sub>4</sub>	
<b>Heat Capacity</b> 310 K,	$C_p = 143.64 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 293 K,	$C_p = 147.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
One temperature.		One temperature.	
<b>Molecular Weight</b> 189.8774		<b>Molecular Weight</b> 191.8932	
<b>Wiswesser Line Notation</b> E2E &2-1/H-2 2		<b>Wiswesser Line Notation</b> E2E	
<b>Evaluation</b> C		<b>Evaluation</b> B	
<b>C<sub>2</sub>D<sub>2</sub>H<sub>2</sub>Br<sub>2</sub></b> (liq)	49DHO/JUN	<b>C<sub>2</sub>D<sub>5</sub>NO<sub>4</sub>·0.5D<sub>2</sub>O</b> (c)	89FUK/MF
1,2-Dibromoethane-d <sub>2</sub> (1,2); Ethylene dibromide-d <sub>2</sub> (1,2)		Ammonium hydrogen oxalate hemihydrate-d <sub>6</sub>	
<b>Heat Capacity</b> 293 K,	$C_p = 141.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p = 179.97 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
One temperature.		Temperature range 13 to 300 K.	
<b>Molecular Weight</b> 189.8774		<b>Entropy</b> 298.15 K,	$S = 204.45 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b> E2E &2-1/2-2/H-2 2		<b>Phase Changes</b>	
<b>Evaluation</b> C		c,II/c,I 160.1 K,	$\Delta H = 0.56 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 4.12 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
 		Order-disorder transition.	
<b>C<sub>2</sub>D<sub>2</sub>H<sub>2</sub>Br<sub>2</sub></b> (liq)	49WUY/JUN	<b>Molecular Weight</b> 122.1208	
1,2-Dibromoethane-d <sub>2</sub> (1,2); Ethylene dibromide-d <sub>2</sub> (1,2)		<b>Wiswesser Line Notation</b> ZH QVVQ &QH 0.5 &1/H-2 2 &2/4/7/10/1	
<b>Heat Capacity</b> 310 K,	$C_p = 142.13 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	H-2	
One temperature.		<b>Evaluation</b> A	
<b>Molecular Weight</b> 189.8774		 	
<b>Wiswesser Line Notation</b> E2E &2-1/2-2/H-2 2		 	
<b>Evaluation</b> C		 	
<b>C<sub>2</sub>D<sub>2</sub>H<sub>4</sub>O<sub>2</sub></b> (liq)	62RAB/NIK	<b>C<sub>2</sub>F<sub>2</sub>O<sub>2</sub></b> (liq)	71HC
1,2-Dihydroxyethane-d <sub>2</sub> ; 1,2-Ethanediol-d <sub>2</sub> ; Ethylene glycol-d <sub>2</sub>		Oxalyl fluoride	
<b>Heat Capacity</b> 298 K,	$C_p = 155.94 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	
Temperature range 10 to 55 °C.		Temperature range 13 to 270 K.	
<b>Molecular Weight</b> 64.0806		<b>Phase Changes</b>	
<b>Wiswesser Line Notation</b> Q2Q &1/3/H-2 2		c/liq 260.73 K,	$\Delta H = 13407 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 51.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Evaluation</b> B		liq/g 270.13 K,	$\Delta H = 28255 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 104.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
 		<b>Molecular Weight</b> 94.0176	
<b>C<sub>2</sub>D<sub>2</sub>H<sub>4</sub>O<sub>2</sub></b> (liq)	67NIK/RAB2	<b>Wiswesser Line Notation</b> FVVF	
1,2-Dihydroxyethane-d <sub>2</sub> ; 1,2-Ethanediol-d <sub>2</sub> ; Ethylene glycol-d <sub>2</sub>		<b>Evaluation</b> A	
<b>Heat Capacity</b> 298.15 K,	$C_p = 158.16 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	 	
Temperature range 80 to 300 K.		 	
<b>Phase Changes</b>		 	
c/liq 258.8 K,	$\Delta H = 9749 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 37.67 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	 	
<b>Molecular Weight</b> 64.0806		 	
<b>Wiswesser Line Notation</b> Q2Q &1/3/H-2 2		 	
<b>Evaluation</b> B		 	
<b>C<sub>2</sub>F<sub>3</sub>N</b> (liq)		<b>C<sub>2</sub>F<sub>3</sub>N</b> (liq)	61PAC/B
Trifluoroacetonitrile; Trifluoromethyl cyanide		Trifluoromethyl cyanide	
<b>Heat Capacity</b> 205 K,	$C_p = 118.11 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 205 K,	$C_p = 118.11 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 15 to 205 K.		Temperature range 15 to 205 K.	
<b>Entropy</b> 205.47 K,		<b>Entropy</b> 205.47 K,	$S = 184.43 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Phase Changes</b>		<b>Phase Changes</b>	
c/liq 128.73 K,		c/liq 128.73 K,	$\Delta H = -4971 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 38.62 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
liq/g 205.47 K,		liq/g 205.47 K,	$\Delta H = 17832 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 86.79 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ $P = 101.325 \text{ kPa}$
<b>Molecular Weight</b> 95.0239		<b>Molecular Weight</b> 95.0239	
<b>Wiswesser Line Notation</b> NCXFFF		<b>Wiswesser Line Notation</b> NCXFFF	
<b>Evaluation</b> Z		<b>Evaluation</b> Z	

<b>C<sub>2</sub>F<sub>4</sub></b> (liq)		53FUR/MCC	<b>(C<sub>2</sub>F<sub>4</sub>)<sub>n</sub></b> (c)		65DOU/HAR
Tetrafluorethane; Tetrafluoroethylene			Polytetrafluoroethylene, powder; Teflon, powder		
<b>Heat Capacity</b> 200 K,	$C_p = 112.77 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 350 K,	$C_p = 101.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 6 to 210 K.			Temperature range 350 to 573 K. Values per monomer unit.		
<b>Entropy</b> 197.53 K,	$S = 184.23 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Molecular Weight</b> 100.0156		
<b>Phase Changes</b>			<b>Wiswesser Line Notation</b> /*X*FF/		
c/liq	142.00 K,	$\Delta H = 7714.5 \text{ J} \cdot \text{mol}^{-1}$	<b>Evaluation</b> B		
		$\Delta S = 54.33 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
liq/g	197.53 K,	$\Delta H = 16821 \text{ J} \cdot \text{mol}^{-1}$			
		$\Delta S = 85.16 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
		$P = 101.325 \text{ kPa}$			
<b>Molecular Weight</b> 100.0156					
<b>Wiswesser Line Notation</b> FYFYUYYF					
<b>Evaluation</b> A					
<b>(C<sub>2</sub>F<sub>4</sub>)<sub>n</sub></b> (c)		52FUR/MCC	<b>(C<sub>2</sub>F<sub>4</sub>)<sub>n</sub></b> (c)		65DOU/HAR
Polytetrafluoroethylene, annealed; Teflon, annealed			Polytetrafluoroethylene, quenched; Teflon, quenched		
<b>Heat Capacity</b> 280 K,	$C_p = 97.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 350 K,	$C_p = 106.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 15 to 370 K. Values per monomer unit.			Temperature range 350 to 725 K. Values per monomer unit.		
<b>Phase Changes</b>			<b>Molecular Weight</b> 100.0156		
Transition region 280 to 310 K.			<b>Wiswesser Line Notation</b> /*X*FF/		
<b>Molecular Weight</b> 100.0156			<b>Evaluation</b> B		
<b>Wiswesser Line Notation</b> /*X*FF/					
<b>Evaluation</b> A					
<b>(C<sub>2</sub>F<sub>4</sub>)<sub>n</sub></b> (c)		52FUR/MCC	<b>C<sub>2</sub>F<sub>4</sub>O</b> (liq)		71HOD
Polytetrafluoroethylene, molded; Teflon, molded			Trifluoroacetyl fluoride		
<b>Heat Capacity</b> 280 K,	$C_p = 101.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b>		
Temperature range 15 to 370 K. Values per monomer unit.			Temperature range 14 to 214 K.		
<b>Phase Changes</b>			<b>Phase Changes</b>		
Transition region 280 to 310 K.			c/liq	$113.69 \text{ K}, \Delta H = 4869 \text{ J} \cdot \text{mol}^{-1}$	
<b>Molecular Weight</b> 100.0156				$\Delta S = 42.83 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Wiswesser Line Notation</b> /*X*FF/			liq/g	$214.10 \text{ K}, \Delta H = 19267 \text{ J} \cdot \text{mol}^{-1}$	
<b>Evaluation</b> A				$\Delta S = 89.99 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
 			<b>Molecular Weight</b> 116.0150		
<b>(C<sub>2</sub>F<sub>4</sub>)<sub>n</sub></b> (c)		52FUR/MCC	<b>Wiswesser Line Notation</b> FXFFVF		
Polytetrafluoroethylene, powder; Teflon, powder			<b>Evaluation</b> A		
<b>Heat Capacity</b> 280 K,	$C_p = 103.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$				
Temperature range 15 to 370 K. Values per monomer unit.					
<b>Phase Changes</b>					
Transition region 280 to 310 K.					
<b>Molecular Weight</b> 100.0156					
<b>Wiswesser Line Notation</b> /*X*FF/					
<b>Evaluation</b> A					
<b>(C<sub>2</sub>F<sub>4</sub>)<sub>n</sub></b> (c)		55MAR/DOL	<b>C<sub>2</sub>F<sub>4</sub>O</b> (liq)		72PAC/HOD
Polytetrafluoroethylene, drawn; Teflon, drawn			Trifluoroacetyl fluoride		
<b>Heat Capacity</b> 313 K,	$C_p = 99.29 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 214.0 K,	$C_p = 138.95 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 250 to 393 K. Value calculated from equation, valid above 313 K. Values per monomer unit.			Temperature range 14 to 214 K.		
<b>Molecular Weight</b> 100.0156			<b>Entropy</b> 214.1 K,	$S = 216.48 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Wiswesser Line Notation</b> /*X*FF/			<b>Phase Changes</b>		
<b>Evaluation</b> B			c/liq	$113.69 \text{ K}, \Delta H = 4870 \text{ J} \cdot \text{mol}^{-1}$	
 				$\Delta S = 42.84 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>(C<sub>2</sub>F<sub>4</sub>)<sub>n</sub></b> (c)		55MAR/DOL	liq/g	$214.10 \text{ K}, \Delta H = 19207 \text{ J} \cdot \text{mol}^{-1}$	
Polytetrafluoroethylene, powder; Teflon, powder				$\Delta S = 89.99 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Heat Capacity</b> 313 K,	$C_p = 97.36 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			$P = 101.325 \text{ kPa}$	
Temperature range 250 to 393 K. Value calculated from equation, valid above 313 K. Values per monomer unit.					
<b>Molecular Weight</b> 100.0156					
<b>Wiswesser Line Notation</b> /*X*FF/					
<b>Evaluation</b> B					
<b>C<sub>2</sub>F<sub>6</sub></b> (liq)		55MAR/DOL	<b>C<sub>2</sub>F<sub>6</sub></b> (liq)		48PAC/AST
Hexafluoroethane			Hexafluoroethane		
<b>Heat Capacity</b> 195 K,	$C_p = 131.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 195 K,	$C_p = 131.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 12 to 195 K.			Temperature range 12 to 195 K.		
<b>Entropy</b> 194.87 K,			<b>Entropy</b> 194.87 K,	$S = 250.54 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Phase Changes</b>			<b>Phase Changes</b>		
c,II/c,I	103.98 K,		c,II/c,I	$\Delta H = 3736 \text{ J} \cdot \text{mol}^{-1}$	
				$\Delta S = 35.93 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
c,I/liq	173.10 K,		c,I/liq	$\Delta H = 2686 \text{ J} \cdot \text{mol}^{-1}$	
				$\Delta S = 15.52 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
liq/g	194.87 K,		liq/g	$\Delta H = 16150 \text{ J} \cdot \text{mol}^{-1}$	
				$\Delta S = 82.88 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
				$P = 101.325 \text{ kPa}$	
<b>Molecular Weight</b> 138.0124					
<b>Wiswesser Line Notation</b> FXFFXFFFF					
<b>Evaluation</b> A					

$C_2HBrClF_3$ (liq)		84GOL/KOL	$C_2HCl_3F_2$ (liq)		92LEB/KU
2-Bromo-2-chloro-1,1,1-trifluoroethane			1,2-Difluoro-1,2,2-trichloroethane; Freon-122		
<b>Phase Changes</b>			<b>Heat Capacity</b> 298.15 K,	$C_p = 167.04 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
c/liq	157.4 K,		Temperature range 13.8 to 330 K.		
<b>Molecular Weight</b> 197.3821		$\Delta H = 4840 \text{ J} \cdot \text{mol}^{-1}$	<b>Entropy</b> 298.15 K,	$S = 281.03 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Wiswesser Line Notation</b> GYEXFFF		$\Delta S = 30.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b> 169.3857		
<b>Evaluation</b>	A		<b>Wiswesser Line Notation</b> GXFGYFG		
			<b>Evaluation</b>	A	
			T(glass)=99 K.		
$C_2HBrClF_3$ (liq)		88VES/ZAB	$C_2HCl_3O$ (liq)		1881F
2-Bromo-2-chloro-1,1,1-trifluoroethane			2,2,2-Trichloroethanal; Chloral; $\alpha, \alpha, \alpha$ -Trichloroacetaldehyde		
<b>Heat Capacity</b> 298.15 K,			<b>Heat Capacity</b> 298 K,	$C_p = 151.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 298 to 318			Temperature range 294 to 383 K.		
+0.1639(T/K) (298 to 318 K).			<b>Molecular Weight</b> 147.3883		
<b>Molecular Weight</b> 197.3821			<b>Wiswesser Line Notation</b> VHXGGG		
<b>Wiswesser Line Notation</b> GYEXFFF			<b>Evaluation</b>	D	
<b>Evaluation</b>	A				
$C_2HBrClF_3$ (liq)		84GOL/KOL	$C_2HCl_3O_2$ (c)		1895I
1-Bromo-2-chloro-1,1,2-trifluoroethane			Trichloroacetic acid		
<b>Phase Changes</b>			<b>Heat Capacity</b> 289–320 K,	$C_p = 314 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
c/liq	146.2 K,		Temperature range 289 to 356 K.		
<b>Molecular Weight</b> 197.3821		$\Delta H = 4380 \text{ J} \cdot \text{mol}^{-1}$	<b>Phase Changes</b>		
<b>Wiswesser Line Notation</b> GYFXFFE		$\Delta S = 29.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	c/liq	332.25 K,	
<b>Evaluation</b>	A		<b>Molecular Weight</b> 163.3877	$\Delta H = 5898 \text{ J} \cdot \text{mol}^{-1}$	
			<b>Wiswesser Line Notation</b> QVXGGG	$\Delta S = 17.75 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
			<b>Evaluation</b>	D	
$C_2HBrClF_3$ (liq)		88VES/ZAB	$C_2HCl_5$ (liq)		48K
1-Bromo-2-chloro-1,1,2-trifluoroethane			Pentachloroethane		
<b>Heat Capacity</b> 298.15 K,			<b>Heat Capacity</b> 298 K,	$C_p = 196.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 298 to 318			Temperature range 16 to 154 °C, mean $C_p$ , three temperatures.		
+0.1501(T/K) (298 to 318 K).			<b>Molecular Weight</b> 202.2949		
<b>Molecular Weight</b> 197.3821			<b>Wiswesser Line Notation</b> GYGXGGG		
<b>Wiswesser Line Notation</b> GYFXFFE			<b>Evaluation</b>	D	
<b>Evaluation</b>	A				
$C_2HCl_3$ (liq)		33TRE/WAT	$C_2H_2Br_2O_2$ (c)		61GLA/I
Trichloroethene; Trichloroethylene			Dibromoethanoic acid; Dibromoacetic acid		
<b>Heat Capacity</b> 298 K,			<b>Heat Capacity</b> 301.37 K,	$C_p = 124.68 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
One temperature.			Temperature range -180 to 37 °C. Value is unsmoothed experim:		
<b>Molecular Weight</b> 131.3889			datum.		
<b>Wiswesser Line Notation</b> GYGU1G			<b>Molecular Weight</b> 217.8446		
<b>Evaluation</b>	B		<b>Wiswesser Line Notation</b> QVYEE		
			<b>Evaluation</b>	B	
$C_2HCl_3$ (liq)		48KUR	$C_2H_2Br_4$ (liq)		48K
Trichloroethene; Trichloroethylene			1,1,2,2 Tetrabromooethane		
<b>Heat Capacity</b> 298 K,			<b>Heat Capacity</b> 298 K,	$C_p = 165.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 12 to 80 °C, mean $C_p$ , three temperatures.			Temperature range 15 to 132 °C, mean $C_p$ , three temperatures.		
<b>Molecular Weight</b> 131.3889			<b>Molecular Weight</b> 345.6538		
<b>Wiswesser Line Notation</b> GYGU1G			<b>Wiswesser Line Notation</b> EYEYEE		
<b>Evaluation</b>	D		<b>Evaluation</b>	D	
$C_2HCl_3$ (liq)		84GOL/KOL	$C_2H_2Cl_2$ (liq)		48K
Trichloroethene; Trichloroethylene			1,2-Dichloroethene; 1,2-Dichloroethylene		
<b>Phase Changes</b>			<b>Heat Capacity</b> 298 K,	$C_p = 112.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
c/liq	188.5 K,		Temperature range -31 to 54 °C, mean $C_p$ ,		
<b>Molecular Weight</b> 131.3889		$\Delta H = 8450 \text{ J} \cdot \text{mol}^{-1}$	three temperatures.		
<b>Wiswesser Line Notation</b> GYGU1G		$\Delta S = 44.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b> 96.9438		
<b>Evaluation</b>	A		<b>Wiswesser Line Notation</b> G1U1G		
			<b>Evaluation</b>	D	

<b>C<sub>2</sub>H<sub>2</sub>Cl<sub>2</sub></b> (liq)	34MEH2	<b>C<sub>2</sub>H<sub>2</sub>Cl<sub>2</sub>O<sub>2</sub></b> (liq)	02LOU
cis-1,2-Dichloroethene; cis-1,2-Dichloroethylene		Dichloroacetic acid; Dichloroethanoic acid	
<b>Heat Capacity</b> 288 K,	$C_p=113.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b> 380 K,	$C_p=188 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
One temperature.		Temperature range 22 to 196 °C; mean value given.	
<b>Molecular Weight</b> 96.9438		<b>Molecular Weight</b> 128.9426	
<b>Wiswesser Line Notation</b> G1U1G-C		<b>Wiswesser Line Notation</b> QVYGG	
<b>Evaluation</b> C		<b>Evaluation</b> D	
<b>C<sub>2</sub>H<sub>2</sub>Cl<sub>2</sub></b> (liq)	34MEH2	<b>C<sub>2</sub>H<sub>2</sub>Cl<sub>2</sub>O<sub>2</sub></b> (c)	61GLA/TIM
trans 1,2 Dichloroethene; trans-1,2-Dichloroethylene		Dichloroacetic acid; Dichloroethanoic acid	
<b>Heat Capacity</b> 288 K,	$C_p=113.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b> 280.31 K,	$C_p=182.30 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
One temperature.		Temperature range -180 to 7 °C. Value is unsmoothed experimental datum.	
<b>Molecular Weight</b> 96.9438		<b>Phase Changes</b>	
<b>Wiswesser Line Notation</b> G1U1G-T		c/liq 286.5 K, $\Delta H=12340 \text{ J}\cdot\text{mol}^{-1}$	
<b>Evaluation</b> C		$\Delta S=43.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>C<sub>2</sub>H<sub>2</sub>Cl<sub>2</sub></b> (liq)	59HIL/MCD	<b>Molecular Weight</b> 128.9426	
1,1-Dichloroethene; Vinylidene chloride		<b>Wiswesser Line Notation</b> QVYGG	
<b>Heat Capacity</b> 298.15 K,	$C_p=111.29 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Evaluation</b> B	
Temperature range 13 to 290 K.		<b>C<sub>2</sub>H<sub>2</sub>Cl<sub>4</sub></b> (liq)	48KUR
<b>Entropy</b> 298.15 K,	$S=201.54 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	1,1,2,2-Tetrachloroethane	
<b>Phase Changes</b>		<b>Heat Capacity</b> 298 K,	$C_p=165.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c/liq 150.59 K,	$\Delta H=6514 \text{ J}\cdot\text{mol}^{-1}$	Temperature range 15 to 145 °C, mean $C_p$ four temperatures.	
	$\Delta S=43.26 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Molecular Weight</b> 167.8498	
liq/g 298.15 K,	$\Delta H=26476 \text{ J}\cdot\text{mol}^{-1}$	<b>Wiswesser Line Notation</b> GYGYGG	
	$\Delta S=88.80 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Evaluation</b> D	
	P=80.03 kPa		
<b>Molecular Weight</b> 96.9438		<b>C<sub>2</sub>H<sub>2</sub>Cl<sub>4</sub></b> (liq)	82KOS/KOL
<b>Wiswesser Line Notation</b> GYGU1		1,1,2,2-Tetrachloroethane	
<b>Evaluation</b> A		<b>Heat Capacity</b> 298.15 K,	$C_p=165.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
		Temperature range 8 to 300 K.	
<b>(C<sub>2</sub>H<sub>2</sub>Cl<sub>2</sub>)<sub>n</sub></b> (gls)	67LEB/RAB	<b>Entropy</b> 298.15 K,	$S=244.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Polyvinylidene chloride		<b>Phase Changes</b>	
<b>Heat Capacity</b> 298.15 K,	$C_p=83.05 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	c,II/c,I 207.3 K,	$\Delta H=544 \text{ J}\cdot\text{mol}^{-1}$
Temperature range 58 to 300 K.			$\Delta S=2.62 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Entropy</b> 298.15 K,	$S=86.69 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	c,I/liq 230.8 K,	$\Delta H=-9172 \text{ J}\cdot\text{mol}^{-1}$
<b>Molecular Weight</b> 96.9432			$\Delta S=39.79 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Wiswesser Line Notation</b> /*XGG1*/		<b>Molecular Weight</b> 167.8498	
<b>Evaluation</b> B		<b>Wiswesser Line Notation</b> GYGYGG	
T(glass)=97 K.		<b>Evaluation</b> A	
		Data for (c,I).	
<b>C<sub>2</sub>H<sub>2</sub>Cl<sub>2</sub>F<sub>2</sub></b> (liq)	92LEB/KUL2	<b>C<sub>2</sub>H<sub>2</sub>Cl<sub>4</sub></b> (liq)	82KOS/KOL
1,2-Difluoro-2,2-dichloroethane; Freon-132		1,1,2,2-Tetrachloroethane	
<b>Heat Capacity</b> 298.15 K,	$C_p=151.49 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p=165.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 13.03 to 310 K.		Temperature range 8 to 300 K.	
<b>Entropy</b> 298.15 K,	$S=253.01 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Entropy</b> 298.15 K,	$S=247.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Phase Changes</b>		<b>Phase Changes</b>	
c/liq 162.99 K,	$\Delta H=8192 \text{ J}\cdot\text{mol}^{-1}$	c,II/c,I 204.8 K,	$\Delta H=356 \text{ J}\cdot\text{mol}^{-1}$
	$\Delta S=50.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	c,II/liq 230.3 K,	$\Delta S=1.74 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b> 134.9406			$\Delta H=9521 \text{ J}\cdot\text{mol}^{-1}$
<b>Wiswesser Line Notation</b> GXFG1F			$\Delta S=41.51 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Evaluation</b> A		<b>Molecular Weight</b> 167.8498	
T(glass)=97 K.		<b>Wiswesser Line Notation</b> GYGYGG	
		<b>Evaluation</b> A	
		Data for (c,II).	
<b>C<sub>2</sub>H<sub>2</sub>Cl<sub>2</sub>O<sub>2</sub></b> (liq)	1895PIC	<b>C<sub>2</sub>H<sub>2</sub>Cl<sub>4</sub></b> (liq)	89WIL/LAI
Dichloroacetic acid; Dichloroethanoic acid		1,1,2,2-Tetrachloroethane	
<b>Heat Capacity</b> 291–323 K,	$C_p=207 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p=168.00 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 253 to 323 K.		One temperature.	
<b>Phase Changes</b>		<b>Molecular Weight</b> 167.8498	
c/liq 283.95 K,	$\Delta H=7644 \text{ J}\cdot\text{mol}^{-1}$	<b>Wiswesser Line Notation</b> GYGYGG	
	$\Delta S=26.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Evaluation</b> B	
<b>Molecular Weight</b> 128.9426			
<b>Wiswesser Line Notation</b> QVYGG			
<b>Evaluation</b> D			

<b>C<sub>2</sub>H<sub>2</sub>CuO<sub>4</sub>·4D<sub>2</sub>O</b> (c)	76MAT/KUM	<b>C<sub>2</sub>H<sub>2</sub>O<sub>4</sub></b> (c)	88PET/T
Copper (II) formate tetradeuterate		Ethanedioic acid; Oxalic acid	
<b>Heat Capacity</b> 300.16 K,	$C_p=329.69 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Phase Changes</b>	
Temperature range 12 to 300 K. Unsmoothed experimental datum.		c,II/c,I	393.2 K,
<b>Phase Changes</b>			$\Delta H=1300 \text{ J} \cdot \text{mol}^{-1}$
c,II/c,I	245.64 K,		$\Delta S=3.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
	$\Delta H=936.9 \text{ J} \cdot \text{mol}^{-1}$		
	$\Delta S=3.814 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
<b>Molecular Weight</b> 233.7054		<b>Molecular Weight</b> 90.0354	
<b>Wiswesser Line Notation</b> OVH 2 .CU &QH4 &12/13/H-2 8		<b>Wiswesser Line Notation</b> QVVQ	
<b>Evaluation</b> B		<b>Evaluation</b> A	
<b>C<sub>2</sub>H<sub>2</sub>CuO<sub>4</sub>·4H<sub>2</sub>O</b> (c)	76MAT/KUM	<b>C<sub>2</sub>H<sub>3</sub>Br</b> (liq)	34M
Copper (II) formate tetrahydrate		Bromoethene; Vinyl bromide	
<b>Heat Capacity</b> 295.47 K,	$C_p=290.20 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 288 K,	
Temperature range 12 to 300 K. Unsmoothed experimental datum.		One measurement.	
<b>Phase Changes</b>		<b>Molecular Weight</b> 106.9497	
c,II/c,I	235.78 K,	<b>Wiswesser Line Notation</b> E1U1	
	$\Delta H=836.0 \text{ J} \cdot \text{mol}^{-1}$	<b>Evaluation</b> C	
	$\Delta S=3.546 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
<b>Molecular Weight</b> 225.6422		<b>C<sub>2</sub>H<sub>3</sub>Br</b> (liq)	34ME
<b>Wiswesser Line Notation</b> OVH 2 .CU &QH4		Bromoethene; Vinyl bromide	
<b>Evaluation</b> B		<b>Heat Capacity</b> 288 K,	
		One temperature.	
<b>C<sub>2</sub>H<sub>2</sub>N<sub>4</sub>O<sub>3</sub></b> (c)	91FIN/GAR	<b>Molecular Weight</b> 106.9497	
3-Nitro-1,2,4-triazol-5-one		<b>Wiswesser Line Notation</b> E1U1	
<b>Heat Capacity</b> 320 K,	$C_p=124.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Evaluation</b> C	
Temperature range 320 to 420 K. $C_p(c)=0.00386(T/\text{K})-0.278 \text{ J/g} \cdot \text{K}$ .			
<b>Molecular Weight</b> 130.0628		<b>C<sub>2</sub>H<sub>3</sub>Cl</b> (liq)	67LEB/R
<b>Wiswesser Line Notation</b> T5NMVMJ ENW		Vinyl chloride	
<b>Evaluation</b> A		<b>Heat Capacity</b> 298.15 K,	
		Temperature range 58 to 300 K.	
<b>C<sub>2</sub>H<sub>2</sub>O<sub>4</sub></b> (c)	29PAR/KEL	<b>Entropy</b> 298.15 K,	
Ethanedioic acid; Oxalic acid		<b>Phase Changes</b>	
<b>Heat Capacity</b> 298.1 K,	$C_p=120.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	c/liq	119.31 K,
Extrapolation below 90 K, 38.49 J · mol <sup>-1</sup> · K <sup>-1</sup> . Revision of previous data.			$\Delta H=4916 \text{ J} \cdot \text{mol}^{-1}$
<b>Molecular Weight</b> 90.0354			$\Delta S=41.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b> QVVQ		<b>Molecular Weight</b> 62.4987	
<b>Evaluation</b> C		<b>Wiswesser Line Notation</b> G1U1	
		<b>Evaluation</b> B	
<b>C<sub>2</sub>H<sub>2</sub>O<sub>4</sub></b> (c)	39SAT/SOG	<b>(C<sub>2</sub>H<sub>3</sub>Cl)<sub>n</sub></b> (gls)	55ALF/D
Ethanedioic acid; Oxalic acid		Polyvinyl chloride	
<b>Heat Capacity</b> 323 K,	$C_p=118.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298 K,	
Temperature range 0 to 100 °C. Mean value given.		$C_p=59.47 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Molecular Weight</b> 90.0354		Temperature range 253 to 393 K. $C_p$ calculated from equat	
<b>Wiswesser Line Notation</b> QVVQ		$C_p(\text{cal} \cdot \text{g}^{-1} \cdot \text{deg}^{-1})=0.2092+7.29 \times 10^{-4}t$ , where $t < 60^\circ\text{C}$ for L PVC, $C_p(\text{cal} \cdot \text{g}^{-1} \cdot \text{deg}^{-1})=0.2048+8.46 \times 10^{-4}t$ , where $t < 60^\circ\text{C}$ annealed PVC.	
<b>Evaluation</b> C		<b>Molecular Weight</b> 62.4987	
		<b>Wiswesser Line Notation</b> /*YG1*/	
<b>C<sub>2</sub>H<sub>2</sub>O<sub>4</sub></b> (c)	64DAV	<b>Evaluation</b> A	
Ethanedioic acid; Oxalic acid		$T(\text{glass})=78.5^\circ\text{C}$ .	
<b>Heat Capacity</b> 340 K,	$C_p=146 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
Temperature range 298 to 373 K. Mean value.			
Temperature range uncertain.			
<b>Molecular Weight</b> 90.0354			
<b>Wiswesser Line Notation</b> QVVQ			
<b>Evaluation</b> D			
<b>C<sub>2</sub>H<sub>2</sub>O<sub>4</sub></b> (c)	82LUF/REE	<b>(C<sub>2</sub>H<sub>3</sub>Cl)<sub>n</sub></b> (gls)	67LEB/R
Ethanedioic acid; Oxalic acid		Polyvinyl chloride	
<b>Heat Capacity</b> 298.15 K,	$C_p=105.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	
Temperature range 5 to 320 K.		$C_p=59.96 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Entropy</b> 298.15 K,	$S=115.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Temperature range 58 to 300 K. Value per monomer unit.	
<b>Molecular Weight</b> 90.0354		<b>Entropy</b> 298.15 K,	
<b>Wiswesser Line Notation</b> QVVQ		$S=65.10 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Evaluation</b> A		<b>Molecular Weight</b> 62.4987	
		<b>Wiswesser Line Notation</b> /*YG1*/	
		<b>Evaluation</b> B	

<b>(C<sub>2</sub>H<sub>3</sub>Cl)<sub>n</sub></b> (gls)	77CHA	<b>C<sub>2</sub>H<sub>3</sub>ClO</b> (liq)	1881REI
Polyvinyl chloride		Acetyl chloride	
<b>Heat Capacity</b> 298.15 K, $C_p = 59.03 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298 K, $C_p = 117.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 6 to 380 K. Value per monomer unit.		Temperature range 289 to 343 K.	
<b>Entropy</b> 298.15 K, $S = 71.60 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Molecular Weight</b> 78.4981	
Per monomer unit. Value is $S - S_0$ .		<b>Wiswesser Line Notation</b> GV1	
<b>Molecular Weight</b> 62.4987		<b>Evaluation</b> D	
<b>Wiswesser Line Notation</b> /*YG1*/			
<b>Evaluation</b> A			
One sample of suspension-polymerized PVC, two samples of bulk-polymerized PVC. Data represent annealed bulk material.			
<b>C<sub>2</sub>H<sub>3</sub>ClF<sub>2</sub></b> (liq)	37PER	<b>C<sub>2</sub>H<sub>3</sub>ClO<sub>2</sub></b> (c)	1895PIC
1,1-Difluoro-1-chloroethane		Monochloroacetic acid; Chloroacetic acid	
<b>Heat Capacity</b> 291.6 K, $C_p = 130.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 288–318 K, $C_p = 144 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range –180 to 18 °C. Value is unsmoothed experimental datum.		Temperature range 288 to 349 K.	
<b>Phase Changes</b>		<b>Phase Changes</b>	
c/liq 142.4 K, $\Delta H = 2686 \text{ J} \cdot \text{mol}^{-1}$		c/liq 334.33 K, $\Delta H = 16296 \text{ J} \cdot \text{mol}^{-1}$	
$\Delta S = 18.86 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		$\Delta S = 48.74 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Molecular Weight</b> 100.4955		$\alpha$ -Isomer. c/liq 329.16 K, $\Delta H = 13933 \text{ J} \cdot \text{mol}^{-1}$	
<b>Wiswesser Line Notation</b> GXFF1		$\Delta S = 42.33 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Evaluation</b> B		$\beta$ -Isomer. Molecular Weight 94.4975	
		<b>Wiswesser Line Notation</b> QV1G	
		<b>Evaluation</b> D	
<b>C<sub>2</sub>H<sub>3</sub>ClF<sub>2</sub></b> (liq)	37PER2	<b>C<sub>2</sub>H<sub>3</sub>ClO<sub>2</sub></b> (liq)	50URA/SID
1,1-Difluoro-1-chloroethane		Monochloroacetic acid; Chloroacetic acid	
<b>Heat Capacity</b> 291.6 K, $C_p = 130.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 321.05 K, $C_p = 179.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range –180 to 18 °C. Value is unsmoothed experimental datum for saturated liquid.		Temperature range 47 to 65 °C. Value is unsmoothed experimental datum. Maxima at 50.7, 56.9, and 61.2 °C.	
<b>Phase Changes</b>		<b>Molecular Weight</b> 94.4975	
c/liq 142.4 K, $\Delta H = 2686 \text{ J} \cdot \text{mol}^{-1}$		<b>Wiswesser Line Notation</b> QV1G	
$\Delta S = 18.86 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Evaluation</b> B	
<b>Molecular Weight</b> 100.4955			
<b>Wiswesser Line Notation</b> GXFF1			
<b>Evaluation</b> B			
Sample probably contains other isomers in small amounts.			
<b>C<sub>2</sub>H<sub>3</sub>ClF<sub>2</sub></b> (liq)	41RIE2	<b>C<sub>2</sub>H<sub>3</sub>Cl<sub>3</sub></b> (liq)	44RUB/LEV
1,1-Difluoro-1-chloroethane		1,1,1-Trichloroethane; Methyl chloroform	
<b>Heat Capacity</b> 294.8 K, $C_p = 130.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 299.59 K, $C_p = 144.31 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range –61 to 22 °C. Value is unsmoothed experimental datum.		Temperature range 12 to 300 K. Value is unsmoothed experimental datum.	
<b>Molecular Weight</b> 100.4955		<b>Entropy</b> 298.15 K, $S = 227.48 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Wiswesser Line Notation</b> GXFF1		<b>Phase Changes</b>	
<b>Evaluation</b> A		c,II/c,I 224.20 K, $\Delta H = 7473 \text{ J} \cdot \text{mol}^{-1}$	
		$\Delta S = 33.33 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
		c,I/liq 240.2 K, $\Delta H = 1880 \text{ J} \cdot \text{mol}^{-1}$	
		$\Delta S = 7.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
		$\Delta H$ estimated because of errors in $C_p$ above 225 K.	
		Not used in calculation of entropy.	
		liq/g 286.53 K, $\Delta H = 33313 \text{ J} \cdot \text{mol}^{-1}$	
		$\Delta S = 116.26 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
		$P = 10.26 \text{ kPa}$	
<b>C<sub>2</sub>H<sub>3</sub>ClF<sub>2</sub></b> (liq)	42RIE	<b>Molecular Weight</b> 133.4047	
1,1-Difluoro-1-chloroethane		<b>Wiswesser Line Notation</b> GXGG1	
<b>Heat Capacity</b> 294.9 K, $C_p = 130.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Evaluation</b> A	
Temperature range –61 to 21 °C. Value is unsmoothed experimental datum for saturated liquid.			
<b>Molecular Weight</b> 100.4955			
<b>Wiswesser Line Notation</b> GXFF1			
<b>Evaluation</b> A			
<b>C<sub>2</sub>H<sub>3</sub>ClF<sub>2</sub></b> (liq)	93NAK/HOR	<b>C<sub>2</sub>H<sub>3</sub>Cl<sub>3</sub></b> (liq)	50CRO/SMY
1,1-Difluoro-1-chloroethane		1,1,1-Trichloroethane; Methyl chloroform	
<b>Heat Capacity</b> 300 K, $C_p = 132.15 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 257.29 K, $C_p = 138.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 276 to 350 K. $p = 0.358 \text{ MPa}$ .		Temperature range 117 to 260 K. Value is unsmoothed experimental datum.	
<b>Molecular Weight</b> 100.4955		<b>Phase Changes</b>	
<b>Wiswesser Line Notation</b> GXFF1		c,III/c,II 205 K, $\Delta H = 210 \text{ J} \cdot \text{mol}^{-1}$	
<b>Evaluation</b> A		$\Delta S = 1.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
		c,II/c,I 223.6 K, $\Delta H = 7450 \text{ J} \cdot \text{mol}^{-1}$	
		$\Delta S = 33.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
		c,I/liq 240.1 K, $\Delta H = 1880 \text{ J} \cdot \text{mol}^{-1}$	
		$\Delta S = 7.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Molecular Weight</b> 133.4047			
<b>Wiswesser Line Notation</b> GXGG1			
<b>Evaluation</b> C			

<b>C<sub>2</sub>H<sub>3</sub>Cl<sub>3</sub></b> (liq)		73AND/COU	<b>C<sub>2</sub>H<sub>3</sub>F<sub>3</sub></b> (liq)		44RUS/G
1,1,1-Trichloroethane; Methylchloroform			1,1,1-Trifluoroethane; Freon 143		
<b>Heat Capacity</b>	298.15 K, Temperature range 10 to 310 K.	$C_p = 144.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	220 K, Temperature range 15 to 226 K.	$C_p = 109.66 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Entropy</b>	298.15 K,	$S = 226.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Entropy</b>	225.85 K,	$S = 224.10 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Phase Changes</b>			<b>Phase Changes</b>		
c,II/c,I	224.80 K,	$\Delta H = 7490 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 33.32 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	c,II/c,I	156.35 K,	$\Delta H = 297 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 1.90 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c,I/liq	243.13 K,	$\Delta H = 2350 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 9.67 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	c,I/liq	161.82 K,	$\Delta H = 6192 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 38.26 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	133.4047		liq/g	224.40 K,	$\Delta H = 19175 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 85.45 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b>	GXGG1				$P = 94.54 \text{ kPa}$
<b>Evaluation</b>	A				
<b>C<sub>2</sub>H<sub>3</sub>Cl<sub>3</sub></b> (liq)		82MAR	<b>Molecular Weight</b>	84.0409	
1,1,1-Trichloroethane; Methylchloroform			<b>Wiswesser Line Notation</b>	FXFF1	
<b>Phase Changes</b>			<b>Evaluation</b>	A	
c,II/c,I	224.5 K,	$\Delta H = 7470 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 33.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>C<sub>2</sub>H<sub>3</sub>KO<sub>2</sub></b> (c)		75FER/S.
c,I/liq	240.9 K,	$\Delta H = 1550 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 6.43 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Potassium acetate		
<b>Molecular Weight</b>	133.4047		<b>Phase Changes</b>		
<b>Wiswesser Line Notation</b>	GXGG1		c,II/c,I	423 K,	$\Delta H = 420 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 1.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Evaluation</b>	C		c,I/liq	578.7 K,	$\Delta H = 15230 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 26.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>C<sub>2</sub>H<sub>3</sub>Cl<sub>3</sub></b> (c)		88MAR/MON	<b>Molecular Weight</b>	98.1428	
1,1,1-Trichloroethane; Methylchloroform			<b>Wiswesser Line Notation</b>	OV1 .KA	
<b>Heat Capacity</b>	225 K,	$C_p = 123 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Evaluation</b>	C	
Temperature range 10 to 225 K. Data given graphically and estimated from graph.			<b>C<sub>2</sub>H<sub>3</sub>KO<sub>2</sub></b> (c)		90HOU/KJ
<b>Molecular Weight</b>	133.4047		Potassium acetate		
<b>Wiswesser Line Notation</b>	GXGG1		<b>Phase Changes</b>		
<b>Evaluation</b>	A		c,III/c,II	332 K	$\Delta H = 245.4 \text{ J} \cdot \text{mol}^{-1}$
<b>C<sub>2</sub>H<sub>3</sub>Cl<sub>3</sub></b> (liq)		91HAS/YOS	c,II/c,I	429.5 K,	$\Delta S = 0.577 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
1,1,1-Trichloroethane; Methylchloroform			<b>Molecular Weight</b>	98.1428	
<b>Phase Changes</b>			<b>Wiswesser Line Notation</b>	OV1 .KA	
c,II/c,Ib	225.0 K		<b>Evaluation</b>	A	
c,Ia/liq	236.7 K		<b>C<sub>2</sub>H<sub>3</sub>KO<sub>2</sub></b> (c)		90NGE/M
c,Ib/liq	242.90 K		Potassium acetate		
<b>Molecular Weight</b>	133.4047		<b>Heat Capacity</b>	298.15 K,	$C_p = 109.38 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b>	GXGG1		Temperature range 4 to 585 K.		
<b>Evaluation</b>	B		<b>Entropy</b>	298.15 K,	$S = 150.82 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>C<sub>2</sub>H<sub>3</sub>Cl<sub>3</sub></b> (c)		50CRO/SMY	<b>Phase Changes</b>		
1,1,2-Trichloroethane			hump	300–375 K,	$\Delta H = 229.48 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 0.6652 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Heat Capacity</b>	251.7 K,	$C_p = 143.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Transformation	300 to 375 K.	
Temperature range 117 to 252 K. Value is unsmoothed experimental datum.			c,IIIb/c,IIIa	411 K,	$\Delta H = 346.71 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 0.8065 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Phase Changes</b>			c,IIIa/c,II	425 K,	$\Delta H = 189.57 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 0.4157 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c/liq	237.1 K,	$\Delta H = 11380 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 48.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	c,II/c,I	474 K,	$\Delta H = 1613 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 3.3840 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	133.4047		c,I/liq	582 K,	$\Delta H = 7649 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 13.137 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b>	GYG1G				
<b>Evaluation</b>	C				
<b>C<sub>2</sub>H<sub>3</sub>Cl<sub>3</sub></b> (liq)		84GOL/KOL	<b>Molecular Weight</b>	98.1428	
1,1,2-Trichloroethane			<b>Wiswesser Line Notation</b>	OV1 .KA	
<b>Phase Changes</b>			<b>Evaluation</b>	A	
c/liq	237.9 K,	$\Delta H = 10880 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 45.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>C<sub>2</sub>H<sub>3</sub>LiO<sub>2</sub></b> (c)		75FER/S.
<b>Molecular Weight</b>	145.4157		Lithium acetate		
<b>Wiswesser Line Notation</b>	GYG1G		<b>Phase Changes</b>		
<b>Evaluation</b>	A		c,liq	557 K,	$\Delta H = 11880 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 21.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	65.9855		<b>Molecular Weight</b>	65.9855	
<b>Wiswesser Line Notation</b>	OV1 .LI		<b>Wiswesser Line Notation</b>	OV1 .LI	
<b>Evaluation</b>	C		<b>Evaluation</b>	C	

$\text{C}_2\text{H}_3\text{LiO}_2 \cdot 2\text{H}_2\text{O}$ (c)	84MEI/GRO	$\text{C}_2\text{H}_3\text{N}$ (liq)	79VIS/SOM
Lithium acetate dihydrate		Acetonitrile; Ethanenitrile; Methyl cyanide	
<b>Heat Capacity</b> 298.15 K,	$C_p = 169.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p = 91.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 270 to 400 K.		One temperature.	
<b>Phase Changes</b>		<b>Molecular Weight</b> 41.0524	
c/aq	324.71 K,	<b>Wiswesser Line Notation</b> NC1	
	$\Delta H = 24250 \text{ J} \cdot \text{mol}^{-1}$	<b>Evaluation</b>	B
	$\Delta S = 74.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
Transition of dihydrate to anhydrous salt and aqueous solution.			
<b>Molecular Weight</b> 102.0159			
<b>Wiswesser Line Notation</b> OV2 .LI & QH 2			
<b>Evaluation</b>	B		
$\text{C}_2\text{H}_3\text{N}$ (liq)	07WAL	$\text{C}_2\text{H}_3\text{N}$ (liq)	82MAR
Acetonitrile; Ethanenitrile; Methyl cyanide		Acetonitrile; Ethanenitrile; Methyl cyanide	
<b>Heat Capacity</b> 291 K,	$C_p = 88 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Phase Changes</b>	
One temperature.		c,II/c,I	218.0 K,
<b>Molecular Weight</b> 41.0524			$\Delta H = 800 \text{ J} \cdot \text{mol}^{-1}$
<b>Wiswesser Line Notation</b> NC1			$\Delta S = 3.67 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Evaluation</b>	D	c,I/liq	228.7 K,
			$\Delta H = 6670 \text{ J} \cdot \text{mol}^{-1}$
			$\Delta S = 29.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
$\text{C}_2\text{H}_3\text{N}$ (liq)	65PUT/MCE	$\text{C}_2\text{H}_3\text{N}$ (liq)	84GUS/MIR
Acetonitrile; Ethanenitrile; Methyl cyanide		Acetonitrile; Ethanenitrile; Methyl cyanide	
<b>Heat Capacity</b> 298.15 K,	$C_p = 91.46 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 303.15 K,	$C_p = 81.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 20 to 300 K.		Temperature range 303 to 343 K. $p=0.1 \text{ MPa}$ . Unsmoothed experimental datum given as 1.9930 kJ/kg·K.	
<b>Entropy</b> 298.15 K,	$S = 149.62 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b> 41.0524	
<b>Phase Changes</b>		<b>Wiswesser Line Notation</b> NC1	
c,II/c,I	216.9 K,	<b>Evaluation</b>	D
	$\Delta H = 897.9 \text{ J} \cdot \text{mol}^{-1}$		
	$\Delta S = 4.14 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
c,I/liq	229.32 K,		
	$\Delta H = 8167 \text{ J} \cdot \text{mol}^{-1}$		
	$\Delta S = 35.61 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
liq/g	298.15 K,		
	$\Delta H = 33225 \text{ J} \cdot \text{mol}^{-1}$		
	$\Delta S = 111.44 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
	$P = 11.83 \text{ kPa}$		
<b>Molecular Weight</b> 41.0524		$\text{C}_2\text{H}_3\text{N}$ (liq)	87MIR/SHA
<b>Wiswesser Line Notation</b> NC1		Acetonitrile; Ethanenitrile; Methyl cyanide	
<b>Evaluation</b>	A	<b>Heat Capacity</b> 298.15 K,	$C_p = 77.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
 		Temperature range 253 to 353 K. Unsmoothed experimental datum given as 1.863 kJ/kg·K at 293 K. $C_p(\text{liq}) = 1.2838 + 0.00043697 \text{ K} + 5.3125 \times 10^{-6} T^2 / \text{K}^2 \text{ kJ/kg} \cdot \text{K}$ (253 to 353 K).	
<b>Molecular Weight</b> 41.0524		<b>Molecular Weight</b> 41.0524	
<b>Wiswesser Line Notation</b> NC1		<b>Wiswesser Line Notation</b> NC1	
<b>Evaluation</b>	C	<b>Evaluation</b>	C
$\text{C}_2\text{H}_3\text{N}$ (liq)	71HAL/BAL	$\text{C}_2\text{H}_3\text{N}$ (liq)	92KOL/KUL
Acetonitrile; Ethanenitrile; Methyl cyanide		Acetonitrile; Ethanenitrile; Methyl cyanide	
<b>Heat Capacity</b> 297 K,	$C_p = 82.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p = 91.69 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
One temperature.		Temperature range 283 to 323 K.	
<b>Molecular Weight</b> 41.0524		<b>Molecular Weight</b> 41.0524	
<b>Wiswesser Line Notation</b> NC1		<b>Wiswesser Line Notation</b> NC1	
<b>Evaluation</b>	C	<b>Evaluation</b>	B
$\text{C}_2\text{H}_3\text{N}$ (liq)	8DEV/HEU	$(\text{C}_2\text{H}_3\text{NO})_n$ (c)	80FIN/KUM
Acetonitrile; Ethanenitrile; Methyl cyanide		Polyglycine I	
<b>Heat Capacity</b> 298.15 K,	$C_p = 91.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p = 102.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
One temperature.		Temperature range 150 to 375 K. $C_p = 37.744 + 0.218T - 2.333 \times 10^{-6} T^2$	
<b>Molecular Weight</b> 41.0524		<b>Molecular Weight</b> 57.0518	
<b>Wiswesser Line Notation</b> NC1		<b>Wiswesser Line Notation</b> /*MV1*/	
<b>Evaluation</b>	B	<b>Evaluation</b>	B
		Same data as in 81FIN/KUM. $\beta$ -sheet structure.	
$\text{C}_2\text{H}_3\text{N}$ (liq)	79DEV/SOM	$(\text{C}_2\text{H}_3\text{NO})_n$ (c)	80FIN/KUM
Acetonitrile; Ethanenitrile; Methyl cyanide		Polyglycine II	
<b>Heat Capacity</b> 298.15 K,	$C_p = 91.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p = 93.46 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
One temperature.		Temperature range 150 to 375 K. $C_p = 57.598 + 0.05T + 2.357 \times 10^{-4} T^2$	
<b>Molecular Weight</b> 41.0524		<b>Molecular Weight</b> 57.0518	
<b>Wiswesser Line Notation</b> NC1		<b>Wiswesser Line Notation</b> /*MV1*/	
<b>Evaluation</b>	B	<b>Evaluation</b>	B
		Same data as in 81FIN/KUM. $\alpha$ helical structure.	

$(C_2H_3NO)_n$ (c)		81FIN/KUM	$C_2H_3NaO_2$ (c)		55
Polyglycine I			Sodium ethanoate; Sodium acetate		
<b>Heat Capacity</b>	298.15 K,	$C_p=102.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	291.18 K,	$C_p=88.07 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 150 to 375 K. Polyglycine I ( $\beta$ -sheet). Data given graphically. $C_p$ calculated from equation.			Temperature range 13 to 292 K. Value is unsmoothed experimental datum.		
<b>Molecular Weight</b>	57.0518		<b>Entropy</b>	298.15 K,	$S=123.09 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b> /*MV1*/			<b>Molecular Weight</b>	82.0343	
<b>Evaluation</b>	B		<b>Wiswesser Line Notation</b>	OV1 .NA	
<b>Evaluation</b>	A		<b>Evaluation</b>	A	
$(C_2H_3NO)_n$ (c)		81FIN/KUM	 		
Polyglycine II			$C_2H_3NaO_2$ (c,IV)		75FER/
<b>Heat Capacity</b>	298.15 K,	$C_p=93.46 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Sodium ethanoate; Sodium acetate		
Temperature range 150 to 375 K. Polyglycine II ( $\alpha$ -helix). Data given graphically. $C_p$ calculated from equation.			<b>Heat Capacity</b>	340 K,	$C_p=111.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	57.0518		Temperature range 340 to 610 K.		
<b>Wiswesser Line Notation</b> /*MV1*/			<b>Phase Changes</b>		
<b>Evaluation</b>	B		c,IV/c,III	414 K,	$\Delta H=290 \text{ J} \cdot \text{mol}^{-1}$
 			c,III/c,II	465 K,	$\Delta S=0.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
$(C_2H_3NO)_n$ (c)		91ROL	c,II/c,I	527 K,	$\Delta H=420 \text{ J} \cdot \text{mol}^{-1}$
Polyglycine			c,I/liq	601.3 K.	$\Delta S=0.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Heat Capacity</b>	300 K,	$C_p=66.75 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b>	82.0343	$\Delta H=170 \text{ J} \cdot \text{mol}^{-1}$
Temperature range 220 to 390 K.			<b>Wiswesser Line Notation</b>	OV1 .NA	$\Delta S=0.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	57.0518		<b>Evaluation</b>	B	$\Delta H=17950 \text{ J} \cdot \text{mol}^{-1}$
<b>Wiswesser Line Notation</b> /*MV1*/			 		$\Delta S=29.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Evaluation</b>	B		 		
$(C_2H_3NO)_n$ (c)		91ROL/WUN	$C_2H_3NaO_2$ (c)		83FRA/I
Polyglycine			Sodium ethanoate; Sodium acetate		
<b>Heat Capacity</b>	300 K,	$C_p=66.75 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p=100.83 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 230 to 390 K.			Temperature range 7 to 350 K.		
<b>Molecular Weight</b>	57.0518		<b>Entropy</b>	298.15 K,	$S=138.10 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b> /*MV1*/			<b>Phase Changes</b>		
<b>Evaluation</b>	B		c,II/c,I	21 K,	$\Delta S=12.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
 			 		Questionable second-order transition.
$C_2H_3N_3$ (c)		89HIL/MOU	<b>Molecular Weight</b>	82.0343	
1,2,4-Triazole			<b>Wiswesser Line Notation</b>	OV1 .NA	
<b>Phase Changes</b>			<b>Evaluation</b>	A	
c/liq	393.5 K,	$\Delta H=16100 \text{ J} \cdot \text{mol}^{-1}$	 		
<b>Molecular Weight</b>	69.0658		 		
<b>Wiswesser Line Notation</b> T5MN DNJ			 		
<b>Evaluation</b>	A		 		
$C_2H_3N_3$ (c)		89JIM/ROU	$C_2H_3NaO_2 \cdot 3H_2O$ (c)		32I
1,2,4-Triazole			Sodium acetate trihydrate		
<b>Heat Capacity</b>	298.15 K,	$C_p=78.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	325 K,	$C_p=322 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
One temperature.			Temperatures above and below melting point.		
<b>Molecular Weight</b>	69.0658		<b>Phase Changes</b>		
<b>Wiswesser Line Notation</b> T5MN DNJ			c/liq	331.7 K,	$\Delta H=20250 \text{ J} \cdot \text{mol}^{-1}$
<b>Evaluation</b>	A				$\Delta S=61 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
 			<b>Molecular Weight</b>	136.0799	
$C_2H_3N_3O$ (c)		91FIN/GAR	<b>Wiswesser Line Notation</b>	OV1 .NA & QH3	
1,2,4-Triazol-3-one			<b>Evaluation</b>	D	
<b>Heat Capacity</b>	320 K,	$C_p=68.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	 		
Temperature range 320 to 420 K. $C_p(c)=0.00214(T/K)+0.125 \text{ J/g} \cdot \text{K}$ .			 		
<b>Molecular Weight</b>	85.0652		 		
<b>Wiswesser Line Notation</b> T5NMVMJ			 		
<b>Evaluation</b>	A		 		
$C_2H_3N_3O$ (c)			$C_2H_3NaO_2 \cdot 3H_2O$ (c)		84MEI/C
1,2,4-Triazol-3-one			Sodium acetate trihydrate		
<b>Heat Capacity</b>	320 K,	$C_p=68.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p=229.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 320 to 420 K. $C_p(c)=0.00214(T/K)+0.125 \text{ J/g} \cdot \text{K}$ .			Temperature range 270 to 400 K.		
<b>Molecular Weight</b>	85.0652		<b>Phase Changes</b>		
<b>Wiswesser Line Notation</b> T5NMVMJ			c/aq	331.52 K,	$\Delta H=37860 \text{ J} \cdot \text{mol}^{-1}$
<b>Evaluation</b>	A				$\Delta S=114.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
 			 		Transition of trihydrate to anhydrous salt and aqueous solution.
 			<b>Molecular Weight</b>	136.0799	
 			<b>Wiswesser Line Notation</b>	OV1 .NA & QH3	
 			<b>Evaluation</b>	B	

<b>C<sub>2</sub>H<sub>3</sub>O<sub>2</sub>Tl</b> (c)						39RAI
Thallium acetate						
<b>Phase Changes</b>						
c,I/liq	404 K,	$\Delta H = 17573 \text{ J} \cdot \text{mol}^{-1}$	$C_p = 130.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
Solid-mesophase.						
<b>Molecular Weight</b>	263.4145					
<b>Wiswesser Line Notation</b>	OV1 .TL					
<b>Evaluation</b>	B					
<b>C<sub>2</sub>H<sub>4</sub></b> (liq)			37EGA/KEM			
Ethylene						
<b>Heat Capacity</b>	170 K,	$C_p = 67.24 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$				
Temperature range	15 to 170 K.					
<b>Phase Changes</b>						
c/liq	103.95 K,	$\Delta H = 3351 \text{ J} \cdot \text{mol}^{-1}$	$C_p = 129.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
		$\Delta S = 32.23 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$				
liq/g	169.40 K,	$\Delta H = 13544 \text{ J} \cdot \text{mol}^{-1}$	$\Delta S = 79.95 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
<b>Molecular Weight</b>	28.0536					
<b>Wiswesser Line Notation</b>	1U1					
<b>Evaluation</b>	B					
<b>C<sub>2</sub>H<sub>4</sub></b> (liq)		83CHA/HAL				
Ethylene						
<b>Heat Capacity</b>	170 K,	$C_p = 67.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$				
Temperature range	16 to 169 K.					
<b>Entropy</b>	170 K,	$S = 117.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$				
<b>Phase Changes</b>						
c/liq	103.97 K,	$\Delta H = 3351 \text{ J} \cdot \text{mol}^{-1}$	$C_p = 1880 \text{ J} \cdot \text{mol}^{-1}$			
		$\Delta S = 32.23 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	$\Delta S = 7.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
<b>Molecular Weight</b>	28.0536					
<b>Wiswesser Line Notation</b>	1U1					
<b>Evaluation</b>	A					
A reevaluation of the original measured data from: 37EGA/KEM.						
<b>C<sub>2</sub>H<sub>4</sub>BrCl</b> (liq)		92SVO/KUB2				
1-Bromo-2-chloroethane						
<b>Phase Changes</b>						
liq/g	379.8 K,	$\Delta H = 38060 \text{ J} \cdot \text{mol}^{-1}$	$C_p = 136.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
<b>Molecular Weight</b>	143.4106					
<b>Wiswesser Line Notation</b>	G2E					
<b>Evaluation</b>	A					
<b>C<sub>2</sub>H<sub>4</sub>Br<sub>2</sub></b> (liq)		49DHO/JUN				
1,2-Dibromoethane; Ethylene dibromide						
<b>Heat Capacity</b>	293 K,	$C_p = 134.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$				
One temperature.						
<b>Molecular Weight</b>	187.8616					
<b>Wiswesser Line Notation</b>	E2E					
<b>Evaluation</b>	B					
<b>C<sub>2</sub>H<sub>4</sub>Br<sub>2</sub></b> (liq)		92SVO/KUB2				
1,2-Dibromoethane; Ethylene dibromide						
<b>Phase Changes</b>						
liq/g	404.7 K,	$\Delta H = 41780 \text{ J} \cdot \text{mol}^{-1}$	$C_p = 134.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
<b>Molecular Weight</b>	187.8616					
<b>Wiswesser Line Notation</b>	E2E					
<b>Evaluation</b>	A					
<b>C<sub>2</sub>H<sub>4</sub>Br<sub>2</sub></b> (liq)		93SHE				
1,2-Dibromoethane; Ethylene dibromide						
<b>Heat Capacity</b>	298.15 K,	$C_p = 134.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$				
One temperature.						
<b>Molecular Weight</b>	187.8616					
<b>Wiswesser Line Notation</b>	E2E					
<b>Evaluation</b>	B					
<b>C<sub>2</sub>H<sub>4</sub>Br<sub>2</sub></b> (liq)						49WUY/JUN
1,2-Dibromoethane; Ethylene dibromide						
<b>Phase Changes</b>						
liq/g	404.7 K,	$\Delta H = 41780 \text{ J} \cdot \text{mol}^{-1}$	$C_p = 135.14 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
<b>Molecular Weight</b>	187.8616					
<b>Wiswesser Line Notation</b>	E2E					
<b>Evaluation</b>	C					
<b>C<sub>2</sub>H<sub>4</sub>Br<sub>2</sub></b> (liq)						49FIN/GRU
1,2-Dibromoethane; Ethylene dibromide						
<b>Heat Capacity</b>	300 K,	$C_p = 136.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$				
<b>Molecular Weight</b>	187.8616					
<b>Wiswesser Line Notation</b>	E2E					
<b>Evaluation</b>	B					

$C_2H_4Br_2$ (liq)		69WIL/SCH	$C_2H_4Cl_2$ (liq)		55STA/T
1,2-Dibromoethane; Ethylene dibromide			1,2-Dichloroethane; Ethylene dichloride		
<b>Heat Capacity</b> 298.15 K,		$C_p = 135.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298 K,		$C_p = 129.70 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 20, 30, 40 °C.			Temperature range 284 to 348 K.		
<b>Molecular Weight</b> 187.8616			<b>Molecular Weight</b> 98.9596		
<b>Wiswesser Line Notation</b> E2E			<b>Wiswesser Line Notation</b> G2G		
<b>Evaluation</b> B			<b>Evaluation</b> B		
$C_2H_4Cl_2$ (liq)		1881REI	$C_2H_4Cl_2$ (liq)		55R
1,2-Dichloroethane; Ethylene dichloride			1,2-Dichloroethane; Ethylene dichloride		
<b>Heat Capacity</b> 298 K,		$C_p = 122.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,		$C_p = 129.54 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 290 to 364 K.			Temperature range 7 to 50°C.		
<b>Molecular Weight</b> 98.9596			<b>Molecular Weight</b> 98.9596		
<b>Wiswesser Line Notation</b> G2G			<b>Wiswesser Line Notation</b> G2G		
<b>Evaluation</b> D			<b>Evaluation</b> B		
$C_2H_4Cl_2$ (liq)		39RAI	$C_2H_4Cl_2$ (liq)		67RAS/G
1,2-Dichloroethane; Ethylene dichloride			1,2-Dichloroethane; Ethylene dichloride		
<b>Heat Capacity</b> 300 K,		$C_p = 131.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 293 K,		$C_p = 129.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 90 to 320 K. Data graphically only. Value read from graph.			Temperature range 293 to 353 K.		
<b>Phase Changes</b>			<b>Molecular Weight</b> 98.9596		
c,II/I 175 K, $\Delta H = 2845 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 16.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			<b>Wiswesser Line Notation</b> G2G		
Lambda-type transition. Temperature is maximum in specific heat curve.			<b>Evaluation</b> C		
c,I/liq 237.6 K, $\Delta H = 8745 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 36.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$					
<b>Molecular Weight</b> 98.9596					
<b>Wiswesser Line Notation</b> G2G					
<b>Evaluation</b> C					
$C_2H_4Cl_2$ (liq)		40PIT2	$C_2H_4Cl_2$ (liq)		69WIL/S
1,2-Dichloroethane; Ethylene dichloride			1,2-Dichloroethane; Ethylene dichloride		
<b>Heat Capacity</b> 298.15 K,		$C_p = 128.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,		$C_p = 128.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 15 to 308 K.			Temperature range 20, 30 40°C.		
<b>Entropy</b> 298.15 K,		$S = 208.53 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b> 98.9596		
<b>Phase Changes</b>			<b>Wiswesser Line Notation</b> G2G		
Anomalous region at 175 to 180 K, probably a lambda-type transition. No transition heat or temperature given.			<b>Evaluation</b> B		
c/liq 237.2 K, $\Delta H = 8836.6 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 37.25 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$					
<b>Molecular Weight</b> 98.9596					
<b>Wiswesser Line Notation</b> G2G					
<b>Evaluation</b> A					
$C_2H_4Cl_2$ (liq)		48KUR	$C_2H_4Cl_2$ (liq)		77WIL/G
1,2-Dichloroethane; Ethylene dichloride			1,2-Dichloroethane; Ethylene dichloride		
<b>Heat Capacity</b> 298 K,		$C_p = 123.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,		$C_p = 128.99 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range -25 to 86°C, mean $C_p$ , four temperatures.			One temperature.		
<b>Molecular Weight</b> 98.9596			<b>Molecular Weight</b> 98.8596		
<b>Wiswesser Line Notation</b> G2G			<b>Wiswesser Line Notation</b> G2G		
<b>Evaluation</b> D			<b>Evaluation</b> B		
$C_2H_4Cl_2$ (liq)		51SIE/CRU	$C_2H_4Cl_2$ (liq)		79WIL/G
1,2-Dichloroethane; Ethylene dichloride			1,2-Dichloroethane; Ethylene dichloride		
<b>Heat Capacity</b> 293 K,		$C_p = 124.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,		$C_p = 129.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
One temperature.			One temperature.		
<b>Molecular Weight</b> 98.9596			<b>Molecular Weight</b> 98.9596		
<b>Wiswesser Line Notation</b> G2G			<b>Wiswesser Line Notation</b> G2G		
<b>Evaluation</b> B			<b>Evaluation</b> B		

$C_2H_4Cl_2$ (liq)		85LAI/ROU	$C_2H_4N_2O_2$ (c)		80LEB/KAT
1,2-Dichloroethane; Ethylene dichloride			Diformylhydrazine		
<b>Heat Capacity</b>	298.15 K,	$C_p = 128.81 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p = 99.12 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
One temperature.			Temperature range	298 to 350 K.	$C_p = 0.908 \times 10^{-4} T^3 - 0.0923 T^2 + 31.3779 T - 3457.8187 \text{ J/mole} \cdot \text{K}$ , 298 to 350 K.
<b>Molecular Weight</b>	98.9596		<b>Phase Changes</b>		
<b>Wiswesser Line Notation</b>	G2G		c/g	356 K,	$\Delta H = 205100 \text{ J} \cdot \text{mol}^{-1}$
<b>Evaluation</b>	B				$\Delta S = 291 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
$C_2H_4Cl_2$ (liq)		93HAL			Calculated from vapor pressure.
1,2-Dichloroethane; Ethylene dichloride			<b>Molecular Weight</b>	88.0658	
<b>Heat Capacity</b>	298.15 K,	$C_p = 129.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Wiswesser Line Notation</b>	VHMMVH	
One temperature.			<b>Evaluation</b>	B	
<b>Molecular Weight</b>	98.9596				
<b>Wiswesser Line Notation</b>	G2G				
<b>Evaluation</b>	B				
$C_2H_4Cl_2$ (liq)		1881REI	$C_2H_4N_2O_2$ (c)		65EGA/WAK
1,1-Dichloroethane; Ethylidene chloride			oxamide		
<b>Heat Capacity</b>	298 K,	$C_p = 120.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p = 113.89 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 287 to 344 K.			Temperature range	10 to 310 K.	
<b>Molecular Weight</b>	98.9596		<b>Entropy</b>	298.15 K,	$S = 118.11 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b>	GYG1		<b>Molecular Weight</b>	88.0658	
<b>Evaluation</b>	D		<b>Wiswesser Line Notation</b>	ZVVZ	
$C_2H_4Cl_2$ (liq)		48KUR	<b>Evaluation</b>	A	
1,1-Dichloroethane; Ethylidene chloride			Triclinic form.		
<b>Heat Capacity</b>	298 K,	$C_p = 127.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
Temperature range -51 to 55 °C., mean $C_p$ , four temperatures.					
<b>Molecular Weight</b>	98.9596				
<b>Wiswesser Line Notation</b>	GYG1				
<b>Evaluation</b>	D				
$C_2H_4Cl_2$ (liq)		56LI/PIT	$C_2H_4N_4$ (c)		52STE/BER
1,1-Dichloroethane; Ethylidene chloride			Dicyandiamide		
<b>Heat Capacity</b>	298.15 K,	$C_p = 126.27 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	294.63 K,	$C_p = 117.74 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 14 to 294 K.			Temperature range	15 to 300 K. Value is unsmoothed experimental datum.	
<b>Entropy</b>	298.15 K,	$S = 211.75 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Entropy</b>	298.15 K,	$S = 129.29 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Phase Changes</b>			<b>Molecular Weight</b>	84.0804	
c/liq	176.18 K,	$\Delta H = 7870 \text{ J} \cdot \text{mol}^{-1}$	<b>Wiswesser Line Notation</b>	NCMYZUM	
		$\Delta S = 44.67 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Evaluation</b>	A	
liq/g	293 K,	$\Delta H = 31000 \text{ J} \cdot \text{mol}^{-1}$			
		$\Delta S = 105.81 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
		P=30.32 kPa			
<b>Molecular Weight</b>	98.9596				
<b>Wiswesser Line Notation</b>	GYG1				
<b>Evaluation</b>	A				
$C_2H_4F_2$ (liq)		82POR/PON	$C_2H_4N_4$ (c)		64DAV
Freon 152a; 1,1-Difluoroethane, Ethylidene difluoride			Dicyandiamide		
<b>Heat Capacity</b>	298.17 K,	$C_p = 118.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	340 K,	$C_p = 142 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 220 to 425 K. Unsmoothed experimental datum.			Temperature range	298 to 373 K. Mean value.	
$C_p$ data given as $1.793 \text{ J} \cdot \text{g}^{-1} \cdot \text{K}^{-1}$ .			Temperature range	uncertain.	
<b>Molecular Weight</b>	66.0504		<b>Molecular Weight</b>	84.0804	
<b>Wiswesser Line Notation</b>	FYF1		<b>Wiswesser Line Notation</b>	NCMYZUM	
<b>Evaluation</b>	C		<b>Evaluation</b>	D	
$C_2H_4F_2$ (liq)		93NAK/HOR	$(C_2H_4O)_n$ (liq)		82ZAR
Freon 152a; 1,1-Difluoroethane; Ethylidene difluoride			Polyethylene glycol		
<b>Heat Capacity</b>	300 K,	$C_p = 117.31 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298 K,	$C_p = 1314 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 276 to 360 K. p=0.629 MPa.			Temperature range	298, 323, 363 K.	
<b>Molecular Weight</b>	66.0504		<b>Molecular Weight</b>	600	
<b>Wiswesser Line Notation</b>	FYF1		<b>Wiswesser Line Notation</b>	/*O2*/	
<b>Evaluation</b>	A		<b>Evaluation</b>	B	
$C_2H_4F_2$ (liq)			$(C_2H_4O)_n$ (liq)		82ZAR
Freon 152a; 1,1-Difluoroethane; Ethylidene difluoride			Polyethylene glycol		
<b>Heat Capacity</b>	300 K,	$C_p = 117.31 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	323 K,	$C_p = 3346 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 276 to 360 K. p=0.629 MPa.			Temperature range	323, 363 K.	
<b>Molecular Weight</b>	66.0504		<b>Molecular Weight</b>	1500	
<b>Wiswesser Line Notation</b>	FYF1		<b>Wiswesser Line Notation</b>	/*O2*/	
<b>Evaluation</b>	A		<b>Evaluation</b>	B	

$(C_2H_4O)_n$ (c)		57SOC/TRA	$C_2H_4O$ (liq)		88LEB/V4
Polyvinyl alcohol			Ethanal; Acetaldehyde		
<b>Heat Capacity</b>	245 K,	$C_p=45.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p=89.05 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 58 to 245 K. $C_p$ value is unsmoothed experimental datum.		Temperature range 15 to 300 K.			
<b>Molecular Weight</b>	44.0530		<b>Entropy</b>	298.15 K,	$S=117.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b>	*QY1*		<b>Phase Changes</b>		
<b>Evaluation</b>	B		c/liq	149.78 K,	$\Delta H=2310 \text{ J} \cdot \text{mol}^{-1}$
See also 62WAR/BRO			liq/liq	242.9 K,	$\Delta S=15.43 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
					$\Delta H=1716 \text{ J} \cdot \text{mol}^{-1}$
					$\Delta S=7.35 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
$C_2H_4O$ (liq)		49GIA/GOR			
Oxirane; Ethylene oxide					
<b>Heat Capacity</b>	285 K,	$C_p=86.90 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
Temperature range 15 to 283 K.					
<b>Entropy</b>	283.60 K,	$S=149.45 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
<b>Phase Changes</b>					
c/liq	160.65 K,	$\Delta H=5173.1 \text{ J} \cdot \text{mol}^{-1}$			
		$\Delta S=32.20 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
liq/g	283.66 K,	$\Delta H=25527 \text{ J} \cdot \text{mol}^{-1}$			
		$\Delta S=89.99 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
		$P=101.325 \text{ kPa}$			
<b>Molecular Weight</b>	44.0530				
<b>Wiswesser Line Notation</b>	T3OTJ				
<b>Evaluation</b>	A				
$C_2H_4O \cdot 7H_2O$ (c)		82LEA/MUR	$C_2H_4O_2$ (liq)		1881R
Ethylene oxide hydrate			Acetic acid; Ethanoic acid		
<b>Heat Capacity</b>			<b>Heat Capacity</b>	298 K,	$C_p=123.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 120 to 260 K. Data given graphically.			Temperature range 292 to 358 K.		
<b>Phase Changes</b>			<b>Molecular Weight</b>	60.0524	
c/liq	283.2 K,	$\Delta H=48000 \text{ J} \cdot \text{mol}^{-1}$	<b>Wiswesser Line Notation</b>	QV1	
		$\Delta S=169.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Evaluation</b>	D	
<b>Molecular Weight</b>	170.1594				
<b>Wiswesser Line Notation</b>	T3OTJ & QH 7				
<b>Evaluation</b>	A				
Actual formula: $C_2H_4O \cdot 6.89H_2O$					
$C_2H_4O \cdot 7H_2O$ (liq)		90YAM/HAN	$C_2H_4O_2$ (c)		1895P
Ethylene oxide hydrate			Acetic acid; Ethanoic acid		
<b>Heat Capacity</b>	298.15 K,	$C_p=642.20 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	287-335 K,	$C_p=137 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 5 to 298.15 K. Since the melting point is 284.11 K, $C_p$ value at 298.15 is anomalous.			Temperature range 260 to 335 K.		
			<b>Phase Changes</b>		
<b>Entropy</b>	298.15 K,	$S=608.86 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	c/liq	290.06 K,	$\Delta H=11126 \text{ J} \cdot \text{mol}^{-1}$
<b>Phase Changes</b>					$\Delta S=38.36 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c/liq	284.11 K,	$\Delta H=48260 \text{ J} \cdot \text{mol}^{-1}$	<b>Molecular Weight</b>	60.0524	
<b>Molecular Weight</b>	170.1594		<b>Wiswesser Line Notation</b>	QV1	
<b>Wiswesser Line Notation</b>	T3OTJ & QH 7		<b>Evaluation</b>	D	
<b>Evaluation</b>	A				
Actual formula: $C_2H_4O \cdot 6.86H_2O$ . T(glass)=90 K.					
$C_2H_4O$ (liq)		47CON/ELV	$C_2H_4O_2$ (liq)		03FC
Ethanal; Acetaldehyde			Acetic acid; Ethanoic acid		
<b>Heat Capacity</b>	273 K,	$C_p=96.21 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	268.5 K,	$C_p=80 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
One temperature.			Temperature range 251 to 286 K. $C_p$ is the average value over t		
<b>Molecular Weight</b>	44.0530		temperature range.		
<b>Wiswesser Line Notation</b>	VH1		<b>Phase Changes</b>		
<b>Evaluation</b>	B		c/liq	289.77 K	
Actual formula: $C_2H_4O \cdot 6.86H_2O$ . T(glass)=90 K.			<b>Molecular Weight</b>	60.0524	
			<b>Wiswesser Line Notation</b>	QV1	
			<b>Evaluation</b>	D	
$C_2H_4O$ (liq)		25PAR/KI	$C_2H_4O_2$ (liq)		
Ethanal; Acetaldehyde			Acetic acid; Ethanoic acid		
<b>Heat Capacity</b>	273 K,	$C_p=123.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	294.7 K,	$C_p=193.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
One temperature.			Temperature range 87 to 295 K. Value is unsmoothed experimen		
<b>Molecular Weight</b>	44.0530		datum.		
<b>Wiswesser Line Notation</b>	VH1		<b>Entropy</b>	298.1 K,	$S=193.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Evaluation</b>	B		Extrapolation below 90 K. 76.82 J mol <sup>-1</sup> K <sup>-1</sup> .		
			<b>Phase Changes</b>		
			c/liq	289.9 K,	$\Delta H=11728 \text{ J} \cdot \text{mol}^{-1}$
					$\Delta S=40.47 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
			<b>Molecular Weight</b>	60.0524	
			<b>Wiswesser Line Notation</b>	QV1	
			<b>Evaluation</b>	$B(C_p, C(S))$	

<b>C<sub>2</sub>H<sub>4</sub>O<sub>2</sub></b> (liq)	29PAR/KEL	<b>C<sub>2</sub>H<sub>4</sub>O<sub>2</sub></b> (liq)	71HAL/BAL
Acetic acid; Ethanoic acid		Methyl formate; Methyl methanoate	
<b>Heat Capacity</b> 298.1 K,	$C_p = 159.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 297 K,	$C_p = 95.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Extrapolation below 90 K, 42.68 $\text{J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ . Revision of previous data.		One temperature.	
<b>Molecular Weight</b> 60.0524		<b>Molecular Weight</b> 60.0524	
Wiswesser Line Notation QV1		Wiswesser Line Notation VHO1	
Evaluation C		Evaluation C	
<b>C<sub>2</sub>H<sub>4</sub>O<sub>2</sub></b> (liq)	32NEU	<b>C<sub>2</sub>H<sub>4</sub>O<sub>2</sub></b> (liq)	79FUC
Acetic acid; Ethanoic acid		Methyl formate; Methyl methanoate	
<b>Heat Capacity</b> 297.1 K,	$C_p = 121.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p = 119.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 23.9 to 80.5 °C. Value is unsmoothed experimental datum.		One temperature.	
<b>Molecular Weight</b> 60.0524		<b>Molecular Weight</b> 60.0524	
Wiswesser Line Notation QV1		Wiswesser Line Notation VHO1	
Evaluation C		Evaluation B	
<b>C<sub>2</sub>H<sub>4</sub>O<sub>2</sub></b> (liq)	34RAD/JUL	<b>C<sub>2</sub>H<sub>4</sub>O<sub>2</sub></b> (liq)	87ZAB/HYN
Acetic acid; Ethanoic acid		Methyl formate; Methyl methanoate	
<b>Heat Capacity</b> 298 K,	$C_p = 120.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.75 K,	$C_p = 120.57 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
One temperature.		Temperature range 293 to 299 K. Unsmoothed experimental datum.	
<b>Molecular Weight</b> 60.0524		<b>Molecular Weight</b> 60.0524	
Wiswesser Line Notation QV1		Wiswesser Line Notation VHO1	
Evaluation C		Evaluation B	
<b>C<sub>2</sub>H<sub>4</sub>O<sub>2</sub></b> (liq)	58SWI/ZIE	<b>C<sub>2</sub>H<sub>5</sub>DO</b> (liq)	62RAB/NIK
Acetic acid; Ethanoic acid		Ethanol-d <sub>1</sub> ; Ethyl alcohol-d <sub>1</sub>	
<b>Heat Capacity</b> 332 K,	$C_p = 139.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298 K,	$C_p = 116.23 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Mean value 22 to 96 °C.		Temperature range 15 to 55 °C.	
<b>Molecular Weight</b> 60.0524		<b>Molecular Weight</b> 47.0750	
Wiswesser Line Notation QV1		Wiswesser Line Notation Q2 & I/H-2	
Evaluation C		Evaluation B	
<b>C<sub>2</sub>H<sub>4</sub>O<sub>2</sub></b> (liq)	82MAR/AND	<b>C<sub>2</sub>H<sub>5</sub>DO</b> (liq)	67NIK/RAB
Acetic acid; Ethanoic acid		Ethanol-d <sub>1</sub> ; Ethyl alcohol-d <sub>1</sub>	
<b>Heat Capacity</b> 298.15 K,	$C_p = 123.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 250 K,	$C_p = 102.09 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 13 to 450 K. Data also given by equation.		Temperature range 80 to 250 K.	
<b>Entropy</b> 298.15 K,	$S = 158.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Phase Changes</b>	
<b>Phase Changes</b>		c.II/c,I 113.3 K, $\Delta H = 3347 \text{ J} \cdot \text{mol}^{-1}$ , $\Delta S = 29.54 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
c.I/I/liq 298.69 K,	$\Delta H = 11720 \text{ J} \cdot \text{mol}^{-1}$ , $\Delta S = 40.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	c.I/liq 156.9 K, $\Delta H = -4310 \text{ J} \cdot \text{mol}^{-1}$ , $\Delta S = 27.47 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Molecular Weight</b> 60.0524		<b>Molecular Weight</b> 47.0750	
Wiswesser Line Notation QV1		Wiswesser Line Notation Q2 & I/H-2	
Evaluation A		Evaluation A	
<b>C<sub>2</sub>H<sub>4</sub>O<sub>2</sub></b> (liq)	188IBER/OGI	<b>C<sub>2</sub>H<sub>5</sub>Br</b> (liq)	48KUR
Methyl formate; Methyl methanoate		Bromoethane; Ethyl bromide	
<b>Heat Capacity</b> 298 K,	$C_p = 130 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298 K,	$C_p = 100.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 286 to 302 K. $C_p$ given as 0.516 cal · g <sup>-1</sup> · K <sup>-1</sup> .		Temperature range -50 to 37 °C; mean $C_p$ , five temperatures.	
<b>Molecular Weight</b> 60.0524		<b>Molecular Weight</b> 108.9655	
Wiswesser Line Notation VHO1		Wiswesser Line Notation E2	
Evaluation D		Evaluation D	
<b>C<sub>2</sub>H<sub>4</sub>O<sub>2</sub></b> (liq)	34MEH2	<b>C<sub>2</sub>H<sub>5</sub>Br</b> (liq)	93SHE
Methyl formate; Methyl methanoate		Bromoethane; Ethyl bromide	
<b>Heat Capacity</b> 288 K,	$C_p = 121.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p = 105.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
One temperature.		One temperature.	
<b>Molecular Weight</b> 60.0524		<b>Molecular Weight</b> 108.9655	
Wiswesser Line Notation VHO1		Wiswesser Line Notation E2	
Evaluation C		Evaluation B	

<b>C<sub>2</sub>H<sub>5</sub>Cl</b> (liq)		24JEN/SHO	<b>C<sub>2</sub>H<sub>5</sub>I</b> (liq)		48J
Chloroethane; Ethyl chloride			Iodoethane; Ethyl iodide		
<b>Heat Capacity</b> 298 K,		$C_p = 107.70 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298 K,	$C_p = 115.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range -30 to 40 °C.			Temperature range -37 to 70 °C; mean $C_p$ , three temperatures.		
<b>Molecular Weight</b> 64.5145			<b>Molecular Weight</b> 155.9660		
<b>Wiswesser Line Notation</b> G2			<b>Wiswesser Line Notation</b> I2		
<b>Evaluation</b> C			<b>Evaluation</b> D		
<b>C<sub>2</sub>H<sub>5</sub>Cl</b> (liq)		40RIE	<b>C<sub>2</sub>H<sub>5</sub>I</b> (liq)		93
Chloroethane; Ethyl chloride			Iodoethane; Ethyl iodide		
<b>Heat Capacity</b> 298.1 K,		$C_p = 108.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p = 109.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range -48 to 46 °C.			One temperature.		
<b>Molecular Weight</b> 64.5145			<b>Molecular Weight</b> 155.9660		
<b>Wiswesser Line Notation</b> G2			<b>Wiswesser Line Notation</b> I2		
<b>Evaluation</b> A			<b>Evaluation</b> B		
<b>C<sub>2</sub>H<sub>5</sub>Cl</b> (liq)		41RIE	<b>C<sub>2</sub>H<sub>5</sub>NO</b> (c)		90STE
Chloroethane; Ethyl chloride			Acetaldoxime		
<b>Heat Capacity</b> 298 K,		$C_p = 108.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p = 241.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range -48 to 45 °C.			One temperature.		
<b>Molecular Weight</b> 64.5145			<b>Molecular Weight</b> 59.0676		
<b>Wiswesser Line Notation</b> G2			<b>Wiswesser Line Notation</b> QNUY1		
<b>Evaluation</b> A			<b>Evaluation</b> B		
<b>C<sub>2</sub>H<sub>5</sub>Cl</b> (liq)		48GOR/GIA	<b>C<sub>2</sub>H<sub>5</sub>NO</b> (liq)		74VIS/C
Chloroethane; Ethyl chloride			N-Methylformamide; N-Methylmethanamide		
<b>Heat Capacity</b> 290 K,		$C_p = 103.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p = 126.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 13 to 287 K.			One temperature.		
<b>Entropy</b> 285.42 K,		$S = 186.27 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b> 59.0676		
<b>Phase Changes</b>		$\Delta H = 4452 \text{ J} \cdot \text{mol}^{-1}$	<b>Wiswesser Line Notation</b> VHM1		
c/liq	134.82 K,	$\Delta S = 33.02 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Evaluation</b> A		
liq/g	285.42 K,	$\Delta H = 24652 \text{ J} \cdot \text{mol}^{-1}$			
		$\Delta S = 86.37 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
		P=101.325 kPa			
<b>Molecular Weight</b> 64.5145					
<b>Wiswesser Line Notation</b> G2					
<b>Evaluation</b> A					
<b>C<sub>2</sub>H<sub>5</sub>Cl</b> (liq)		48KUR	<b>C<sub>2</sub>H<sub>5</sub>NO</b> (liq)		76BON/
Chloroethane; Ethyl chloride			N-Methylformamide; N-Methylmethanamide		
<b>Heat Capacity</b> 288 K,		$C_p = 109.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p = 122 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range -67 to 15 °C; mean $C_p$ , three temperatures.			One temperature.		
<b>Molecular Weight</b> 64.5145			<b>Molecular Weight</b> 59.0676		
<b>Wiswesser Line Notation</b> G2			<b>Wiswesser Line Notation</b> VHM1		
<b>Evaluation</b> D			<b>Evaluation</b> B		
<b>C<sub>2</sub>H<sub>5</sub>Cl<sub>3</sub>Si</b> (liq)		69NAG/DZH	<b>C<sub>2</sub>H<sub>5</sub>NO</b> (liq)		76SKO/
Ethyltrichlorosilane			N-Methylformamide; N-Methylmethanamide		
<b>Heat Capacity</b> 298.16 K,		$C_p = 192.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p = 123.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 12.5 to 298.16 K.			One temperature.		
<b>Entropy</b> 298.16 K,		$S = 307.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b> 59.0676		
<b>Phase Changes</b>		$\Delta H = 6958 \text{ J} \cdot \text{mol}^{-1}$	<b>Wiswesser Line Notation</b> VHM1		
c/liq	165.26 K,	$\Delta S = 42.09 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Evaluation</b> A		
<b>Molecular Weight</b> 163.5060					
<b>Wiswesser Line Notation</b> G-SI-GG2					
<b>Evaluation</b> A					

<b>C<sub>2</sub>H<sub>5</sub>NO</b> (liq)		79VIS/SOM	<b>C<sub>2</sub>H<sub>5</sub>NO</b> (c)		86EMO/NAU
N-Methylformamide; N-Methylmethanamide			Acetamide; Ethanamide		
<b>Heat Capacity</b> 298.15 K,	$C_p = 125.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Phase Changes</b>		
One temperature.		c/liq	342.15 K,	$\Delta H = 12522 - 12877 \text{ J} \cdot \text{mol}^{-1}$	$\Delta S = 36.6 - 37.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b> 59.0676			<b>Molecular Weight</b> 59.0676		
<b>Wiswesser Line Notation</b> VHM1			<b>Wiswesser Line Notation</b> ZV1		
<b>Evaluation</b> A			<b>Evaluation</b> A		
			Unstable form.		
<b>C<sub>2</sub>H<sub>5</sub>NO</b> (liq)		89KUL/KRE			
N-Methylformamide; N-Methylmethanamide					
<b>Heat Capacity</b> 308 K,	$C_p = 126.63 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$				
One temperature.					
<b>Molecular Weight</b> 59.0676					
<b>Wiswesser Line Notation</b> VHM1					
<b>Evaluation</b> B					
<b>C<sub>2</sub>H<sub>5</sub>NO</b> (c)		40CAM/CAM	<b>C<sub>2</sub>H<sub>5</sub>NO</b> (c)		86EMO/NAU
Acetamide; Ethanamide			Acetamide; Ethanamide		
<b>Heat Capacity</b> 293 K,	$C_p = 66.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298 K,	$C_p = 86.65 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
One temperature.			Temperature range 298 to 400 K. $C_p$ data given at 298 K as 1.467 kJ · kg <sup>-1</sup> · K <sup>-1</sup> (extrapolated). $C_p = 1.481 + 0.0069(T - 300)$ kJ · kg <sup>-1</sup> · K <sup>-1</sup> (300 to 330).		
<b>Molecular Weight</b> 59.0676			<b>Phase Changes</b>		
<b>Wiswesser Line Notation</b> ZV1			c/liq	353.5 K,	$\Delta H = 15606 \text{ J} \cdot \text{mol}^{-1}$
<b>Evaluation</b> C					$\Delta S = 44.15 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
			<b>Molecular Weight</b> 59.0676		
			<b>Wiswesser Line Notation</b> ZV1		
			<b>Evaluation</b> B( $C_p$ ), A(Phase changes)		
			Stable form.		
<b>C<sub>2</sub>H<sub>5</sub>NO</b> (c)		76SKO/SUU	<b>C<sub>2</sub>H<sub>5</sub>NO</b> (c)		89NIK/TRI
Acetamide; Ethanamide			Acetamide; Ethanamide		
<b>Heat Capacity</b> 298.15 K,	$C_p = 90.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Phase Changes</b>		
One temperature.			c/liq	354.05 K,	$\Delta H = 15500 \text{ J} \cdot \text{mol}^{-1}$
<b>Molecular Weight</b> 59.0676			<b>Molecular Weight</b> 59.0676		
<b>Wiswesser Line Notation</b> ZV1			<b>Wiswesser Line Notation</b> ZV1		
<b>Evaluation</b> A			<b>Evaluation</b> A		
<b>C<sub>2</sub>H<sub>5</sub>NO</b> (c)		83DEW/DEK	<b>C<sub>2</sub>H<sub>5</sub>NO · HNO<sub>3</sub></b> (c)		85NUR/BER
Acetamide; Ethanamide			Acetamide nitrate		
<b>Heat Capacity</b> 300 K,	$C_p = 90.00 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K,	$C_p = 175.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 90 to 360 K.			Temperature range 60 to 330 K.		
<b>Phase Changes</b>			<b>Entropy</b> 298.15 K,	$S = 210.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
c/liq	353.33 K,		<b>Phase Changes</b>		
			c/liq	361 K	
<b>Molecular Weight</b> 59.0676			<b>Molecular Weight</b> 122.0804		
<b>Wiswesser Line Notation</b> ZV1			<b>Wiswesser Line Notation</b> ZV1 &WNQ		
<b>Evaluation</b> A			<b>Evaluation</b> A		
<b>C<sub>2</sub>H<sub>5</sub>NO</b> (c)		84NUR/BER	<b>(C<sub>2</sub>H<sub>5</sub>NO)<sub>3</sub> · HNO<sub>3</sub></b> (c)		85NUR/BER
Acetamide; Ethanamide			Triacetamide nitrate		
<b>Heat Capacity</b> 298.15 K,	$C_p = 91.27 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K,	$C_p = 383.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 8 to 330 K.			Temperature range 60 to 330 K.		
<b>Entropy</b> 298.15 K,	$S = 115.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Entropy</b> 298.15 K,	$S = 443.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Molecular Weight</b> 59.0676			<b>Phase Changes</b>		
<b>Wiswesser Line Notation</b> ZV1			c/liq	337 K	
<b>Evaluation</b> A			<b>Molecular Weight</b> 240.2156		
<b>C<sub>2</sub>H<sub>5</sub>NO</b> (c)		85NUR/BER	<b>Wiswesser Line Notation</b> ZV1 3 &WNQ		
Acetamide; Ethanamide			<b>Evaluation</b> A		
<b>Heat Capacity</b> 298.15 K,	$C_p = 91.27 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$				
Temperature range 13 to 330 K.					
<b>Entropy</b> 298.15 K,	$S = 115.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$				
<b>Molecular Weight</b> 59.0676					
<b>Wiswesser Line Notation</b> ZV1					
<b>Evaluation</b> A					
<b>C<sub>2</sub>H<sub>5</sub>NO</b> (c)		85NUR/BER	<b>C<sub>2</sub>H<sub>5</sub>NO<sub>2</sub></b> (liq)		66LIU/ZIE
Acetamide; Ethanamide			Nitroethane		
<b>Heat Capacity</b> 298.15 K,	$C_p = 91.27 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K,	$C_p = 134.22 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 13 to 330 K.			Temperature range 80 to 300 K.		
<b>Entropy</b> 298.15 K,	$S = 115.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Phase Changes</b>		
<b>Molecular Weight</b> 59.0676			c/liq	183.69 K,	$\Delta H = 9853 \text{ J} \cdot \text{mol}^{-1}$
<b>Wiswesser Line Notation</b> ZV1					$\Delta S = 53.64 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Evaluation</b> A			<b>Molecular Weight</b> 75.0672		
			<b>Wiswesser Line Notation</b> WN2		
			<b>Evaluation</b> A		

$\text{C}_2\text{H}_5\text{NO}_2$ (c)		33PAR/HUF	$\text{C}_2\text{H}_5\text{NO}_4$ (c)		39SAT/S
Aminoethanoic acid; Glycine			Ammonium acid oxalate		
<b>Heat Capacity</b> 299.5 K,	$C_p = 100.50 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 323 K,	$C_p = 152.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 93 to 300 K. Value is unsmoothed experimental datum.			Temperature range 0 to 100 °C. Mean value.		
<b>Entropy</b> 298.1 K,	$S = 109.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Molecular Weight</b> 107.0658		
Extrapolation below 90 K, 31.59 $\text{J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .			<b>Wiswesser Line Notation</b> QVVQ &ZH		
<b>Molecular Weight</b> 75.0670			<b>Evaluation</b> C		
<b>Wiswesser Line Notation</b> Z1VQ					
<b>Evaluation</b> B( $C_p$ ), C(S)					
$\text{C}_2\text{H}_5\text{NO}_2$ (c)		60HUT/COL	$\text{C}_2\text{H}_5\text{NO}_4 \cdot 0.5\text{H}_2\text{O}$ (c)		89FUK/M
Aminoethanoic acid; Glycine			Ammonium hydrogen oxalate hemihydrate		
<b>Heat Capacity</b> 298.15 K,	$C_p = 99.20 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K,	$C_p = 166.91 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 11 to 305 K.			Temperature range 13 to 300 K.		
<b>Entropy</b> 298.15 K,	$S = 103.51 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Entropy</b> 298.15 K,	$S = 189.24 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Molecular Weight</b> 75.0670			<b>Phase Changes</b>		
<b>Wiswesser Line Notation</b> Z1VQ			c,II/c,I 145.4 K,	$\Delta H = 0.37 \text{ J} \cdot \text{mol}^{-1}$	
<b>Evaluation</b> A				$\Delta S = 3.01 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Order - disorder transition.					
<b>Molecular Weight</b> 116.0734					
<b>Wiswesser Line Notation</b> ZH QVVQ &QH 0.5					
<b>Evaluation</b> A					
$\text{C}_2\text{H}_5\text{NO}_2$ (c)		75SPL/WAD	$\text{C}_2\text{D}_5\text{NO}_4 \cdot 0.5\text{D}_2\text{O}$ (c)		89FUK/M
Aminoethanoic acid; Glycine			Ammonium hydrogen oxalate hemihydrate-d <sub>6</sub>		
<b>Heat Capacity</b> 298.15 K,	$C_p = 99.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K,	$C_p = 179.97 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
One temperature.			Temperature range 13 to 300 K.		
<b>Molecular Weight</b> 75.0670			<b>Entropy</b> 298.15 K,	$S = 204.45 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Wiswesser Line Notation</b> Z1VQ			<b>Phase Changes</b>		
<b>Evaluation</b> B			c,II/c,I 160.1 K,	$\Delta H = 0.56 \text{ J} \cdot \text{mol}^{-1}$	
Order - disorder transition.				$\Delta S = 4.12 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Molecular Weight</b> 133.1208					
<b>Wiswesser Line Notation</b> ZH QVVQ &QH 0.5 &I/H-2 2					
<b>Evaluation</b> A					
$\text{C}_2\text{H}_5\text{NO}_2$ (c)		89KUL/KOZ	$\text{C}_2\text{H}_5\text{NS}$ (c)		82SAB/T
Aminoethanoic acid; Glycine			Thioacetamide		
<b>Heat Capacity</b> 298 K,	$C_p = 95.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298 K,	$C_p = 100.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 298 to 348 K.			One temperature. $C_p$ given as 1.335 $\text{J} \cdot \text{K}^{-1} \cdot \text{g}^{-1}$ .		
<b>Molecular Weight</b> 75.0670			<b>Phase Changes</b>		
<b>Wiswesser Line Notation</b> Z1VQ			c/g 298.15 K,	$\Delta H = 82800 \text{ J} \cdot \text{mol}^{-1}$	
<b>Evaluation</b> C				$\Delta S = 277.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Molecular Weight</b> 75.1282					
<b>Wiswesser Line Notation</b> ZY1&US					
<b>Evaluation</b> B					
$\text{C}_2\text{H}_5\text{NO}_2$ (c)		90BAD/KUL	$\text{C}_2\text{H}_5\text{N}_3\text{O}_2$ (c)		82LUF/I
Methyl carbamate			Biuret; Carbamylurea		
<b>Phase Changes</b>			<b>Heat Capacity</b> 298.15 K,	$C_p = 131.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
c/liq 328.6 K,	$\Delta H = 16700 \text{ J} \cdot \text{mol}^{-1}$		Temperature range 5 to 320 K.		
	$\Delta S = 51.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Entropy</b> 298.15 K,	$S = 146.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Molecular Weight</b> 75.0670			<b>Molecular Weight</b> 103.0804		
<b>Wiswesser Line Notation</b> ZVO1			<b>Wiswesser Line Notation</b> ZVMVZ		
<b>Evaluation</b> A			<b>Evaluation</b> A		
$\text{C}_2\text{H}_5\text{NO}_3$ (liq)		76BER/BOU	$\text{C}_2\text{H}_5\text{N}_3\text{O}_2$ (c)		82KOZ/I
Ethyl nitrate			Biuret; Carbamylurea		
<b>Heat Capacity</b> 298 K,	$C_p = 170.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K,	$C_p = 131.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 21 to 293 K.			Temperature range 240 to 450 K.		
<b>Entropy</b> 298 K,	$S = 247.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Entropy</b> 298.15 K,	$S = 146.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Phase Changes</b>			<b>Phase Changes</b>		
c/liq 178.6 K,	$\Delta H = 8527 \text{ J} \cdot \text{mol}^{-1}$		c,II/c,I 372 K,	$\Delta H = 970 \text{ J} \cdot \text{mol}^{-1}$	
	$\Delta S = 47.74 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			$\Delta S = 2.54 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Molecular Weight</b> 91.0664					
<b>Wiswesser Line Notation</b> WNO2					
<b>Evaluation</b> B					
<b>Molecular Weight</b> 103.0804					
<b>Wiswesser Line Notation</b> ZVMVZ					
<b>Evaluation</b> B					

# HEAT CAPACITIES AND ENTROPIES OF ORGANIC COMPOUNDS

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<b>C<sub>2</sub>H<sub>6</sub></b> (liq)		30WIE/HUB	<b>C<sub>2</sub>H<sub>6</sub>Cd</b> (liq)		56LI
Ethane			Dimethyl cadmium; Cadmium dimethyl		
<b>Heat Capacity</b>	200 K, $C_p = 74.48 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b>	298.15 K, $C_p = 132.01 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 67 to 305.2 K. Heat capacity of saturated liquid given to 295 K is 136.1 $\text{J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			Temperature range 15 to 300 K.		
<b>Phase Changes</b>			<b>Entropy</b>	298.15 K, $S = 201.88 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
c,I/liq	89.50 K, $\Delta H = 2793 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 31.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		c,II/c,I	254.35 K, $\Delta H = 1520.9 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 5.98 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
liq/g	184.46 K		c,I/liq	270.48 K, $\Delta H = 7837 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 28.97 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Molecular Weight</b>	30.0694		liq/g	291.5 K, $\Delta H = 38296 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 131.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ $P = 3.033 \text{ kPa}$	
<b>Wiswesser Line Notation</b>	2H				
<b>Evaluation</b>	A				
<b>C<sub>2</sub>H<sub>6</sub></b> (liq)		37WIT/KEM	<b>Molecular Weight</b>	142.4794	
Ethane			<b>Wiswesser Line Notation</b>	1-CD-1	
<b>Heat Capacity</b>	180 K, $C_p = 72.22 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Evaluation</b>	A	
Temperature range 15 to 185 K.					
<b>Entropy</b>	184.1 K, $S = 126.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>C<sub>2</sub>H<sub>6</sub>Cl<sub>2</sub>Si</b> (liq)		71SAM/KOS2
Entropy from 0 to 15 K calculated using a Debye function.			Dichlorodimethylsilane		
<b>Phase Changes</b>			<b>Heat Capacity</b>	298.15 K, $C_p = 171.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
c,I/liq	89.87 K, $\Delta H = 2857 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 31.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		Temperature range 21 to 299 K. Data deposited VINITI, No 2423-71, 17 December, 1970. $C_p(\text{liq}) = 18.5676 + 0.06453T + 283310T^{-2}$ (198.99 to 300 K) $\text{cal} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .		
liq/g	184.1 K, $\Delta H = 14703 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 79.87 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Entropy</b>	298.15 K, $S = 270.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Molecular Weight</b>	30.0694		<b>Phase Changes</b>	c/Iiq	
<b>Wiswesser Line Notation</b>	2H			198.99 K, $\Delta H = 8828 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 44.39 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Evaluation</b>	A				
<b>C<sub>2</sub>H<sub>6</sub></b> (liq)		76ATA/CHI	<b>Molecular Weight</b>	129.0609	
Ethane			<b>Wiswesser Line Notation</b>	G-SI-G1&I	
<b>Heat Capacity</b>	100 K, $C_p = 68.66 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Evaluation</b>	A	
Temperature range 50 to 100 K. Data given graphically. $C_p = 0.69933$ (T/K) - 2.385 $\text{J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ (50 to 70 K, for solid).			$T_{\text{Debye}} = 100.37 \text{ K}$ .		
<b>Phase Changes</b>					
c,II/c,I	89.813 K, $\Delta H = 2282 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 25.48 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>C<sub>2</sub>H<sub>6</sub>Cl<sub>4</sub>D<sub>6</sub>MnN<sub>2</sub></b> (c)		75BOC/ARR
c/Iiq	90.341 K, $\Delta H = 583 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 6.46 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		Tetrachlorobis-(deuteromethylammonium) manganese II		
Triple point.			<b>Phase Changes</b>	c,II/c,I	
<b>Molecular Weight</b>	30.0694			258 K, $\Delta H = 2.6 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 0.007 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Wiswesser Line Notation</b>	2H		c,I/liq	389 K, $\Delta H = 14.6 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 0.036 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Evaluation</b>	A				
<b>C<sub>2</sub>H<sub>6</sub></b> (liq)		76ROD	<b>Molecular Weight</b>	266.9278	
Ethane			<b>Wiswesser Line Notation</b>	ZH&1 2 .MN G4 &1/H-2 3	
<b>Heat Capacity</b>	100.32 K, $C_p = 68.44 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Evaluation</b>	A	
Temperature range 93 to 301 K (saturation line), 91 to 330 K, pressures from 0 to 33 MPa.					
<b>Molecular Weight</b>	30.0694		<b>C<sub>2</sub>H<sub>6</sub>N<sub>2</sub>O</b> (c)		87DEL/FER
<b>Wiswesser Line Notation</b>	2H		Methylurea; Monomethylurea		
<b>Evaluation</b>	A		<b>Phase Changes</b>	c/Iiq	
<b>C<sub>2</sub>H<sub>6</sub></b> (liq)		76ROD2		373.8 K, $\Delta H = 15750 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 42.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Ethane					
<b>Heat Capacity</b>	94 K, $C_p = 68.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Molecular Weight</b>	74.0822	
From data 90.3 to 94 K. Average value over range.			<b>Wiswesser Line Notation</b>	ZVM1	
<b>Phase Changes</b>			<b>Evaluation</b>	A	
c,II/c,I	89.77 K, $\Delta H = 2437.5 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 27.15 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$				
<b>Molecular Weight</b>	30.0694				
<b>Wiswesser Line Notation</b>	2H				
<b>Evaluation</b>	B				

$\text{C}_2\text{H}_6\text{N}_2\text{O}$ (c)		93KOZ/KAB	$\text{C}_2\text{H}_6\text{O}$ (liq)	07W
Methylurea; Monomethylurea			Ethanol; Ethyl alcohol	
<b>Heat Capacity</b> 298.15 K,		$C_p = 114.74 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 293 K,	$C_p = 109 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 5 to 350 K.			One temperature.	
<b>Entropy</b> 298.15 K,		$S = 138.02 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b> 46.0688	
<b>Phase Changes</b>			<b>Wiswesser Line Notation</b> Q2	
c/g 343 K,		$\Delta H = 95730 \text{ J} \cdot \text{mol}^{-1}$	<b>Evaluation</b> D	
<b>Molecular Weight</b> 74.0822				
<b>Wiswesser Line Notation</b> ZVM1				
<b>Evaluation</b> A				
$\text{C}_2\text{H}_6\text{N}_2\text{O}_4$ (c)		86MAT/SUG	$\text{C}_2\text{H}_6\text{O}$ (liq)	20GIB/I
Hydrazinium hydrogen oxalate			Ethanol; Ethyl alcohol	
<b>Heat Capacity</b> 299.47 K,		$C_p = 157.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 271.4 K,	$C_p = 102.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 14 to 300 K. Value is unsmoothed experimental datum.			Temperature range 85 to 271.4 K. Unsmoothed experimental data also given for the glassy state from 85.9 to 96.3 K.	
<b>Phase Changes</b>			<b>Phase Changes</b>	
c,II/c,I 217.6 K,		$\Delta H = 1090 \text{ J} \cdot \text{mol}^{-1}$	c/liq 156.2 K,	$\Delta H = 4626 \text{ J} \cdot \text{mol}^{-1}$
		$\Delta S = -4.18 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b> 46.0688	
<b>Molecular Weight</b> 122.0804			<b>Wiswesser Line Notation</b> Q2	
<b>Wiswesser Line Notation</b> QVVQ &ZZ			<b>Evaluation</b> B	
<b>Evaluation</b> A				
$\text{C}_2\text{H}_6\text{N}_2\text{O}_4$ (c)		85NUR/BER	$\text{C}_2\text{H}_6\text{O}$ (liq)	24WIL/D
Acetamide nitrate			Ethanol; Ethyl alcohol	
<b>Heat Capacity</b> 298.15 K,		$C_p = 175.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 303 K,	$C_p = 115.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 60 to 330 K.			Temperature range 303 to 333 K. Equation only.	
<b>Entropy</b> 298.15 K,		$S = 210.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b> 46.0688	
<b>Phase Changes</b>			<b>Wiswesser Line Notation</b> Q2	
c/liq 361 K			<b>Evaluation</b> C	
<b>Molecular Weight</b> 122.0804				
<b>Wiswesser Line Notation</b> ZV1 &WNQ				
<b>Evaluation</b> A				
$\text{C}_2\text{H}_6\text{N}_4\text{O}_4$ (c)		73KRI/LIC	$\text{C}_2\text{H}_6\text{O}$ (liq)	25I
Ethylenedinitramine			Ethanol; Ethyl alcohol	
<b>Heat Capacity</b> 298 K,		$C_p = 175.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.0 K,	$C_p = 113.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 200 to 448 K. Equation only.			Temperature range 87 to 298 K. Value is unsmoothed experimental datum.	
<b>Molecular Weight</b> 150.0938			<b>Entropy</b> 298.1 K,	$S = 177.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b> WNM2MNW			Extrapolation below 90 K, 55.19 $\text{J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .	
<b>Evaluation</b> C			<b>Phase Changes</b>	
			c/liq 158.7 K,	$\Delta H = 4962 \text{ J} \cdot \text{mol}^{-1}$
				$\Delta S = 21.22 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b> 46.0688			<b>Molecular Weight</b> 46.0688	
<b>Wiswesser Line Notation</b> Q2			<b>Evaluation</b> B( $C_p$ ),C(S)	
<b>Evaluation</b>				
$\text{C}_2\text{H}_6\text{O}$ (liq)		41KEN/SAG	$\text{C}_2\text{H}_6\text{O}$ (liq)	29K
2 Oxapropane; Dimethyl ether; Methoxymethane			Ethanol; Ethyl alcohol	
<b>Heat Capacity</b> 240 K,		$C_p = 102.30 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 294.31 K,	$C_p = 109.87 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 14 to 240 K.			Temperature range 16 to 298 K. Value is unsmoothed experimental datum.	
<b>Entropy</b> 200 K,		$S = 146.57 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Entropy</b> 298.15 K,	$S = 160.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Phase Changes</b>			<b>Phase Changes</b>	
c/liq 131.66 K,		$\Delta H = 4936.3 \text{ J} \cdot \text{mol}^{-1}$	c/liq 158.5 K,	$\Delta H = 5021 \text{ J} \cdot \text{mol}^{-1}$
		$\Delta S = 37.49 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		$\Delta S = 31.68 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
liq/g 248.34 K,		$\Delta H = 21510 \text{ J} \cdot \text{mol}^{-1}$	<b>Molecular Weight</b> 46.0688	
		$\Delta S = 86.61 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Wiswesser Line Notation</b> Q2	
		P=101.325 kPa	<b>Evaluation</b> B	
<b>Molecular Weight</b> 46.0688				
<b>Wiswesser Line Notation</b> 1O1				
<b>Evaluation</b> A				
$\text{C}_2\text{H}_6\text{O}$ (liq)		1881REI	$\text{C}_2\text{H}_6\text{O}$ (liq)	29MIT/I
Ethanol; Ethyl alcohol			Ethanol; Ethyl alcohol	
<b>Heat Capacity</b> 298 K,		$C_p = 112.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 270 K,	$C_p = 106.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 288 to 346 K.			Temperature range 190 to 270 K.	
<b>Molecular Weight</b> 46.0688			<b>Molecular Weight</b> 46.0688	
<b>Wiswesser Line Notation</b> Q2			<b>Wiswesser Line Notation</b> Q2	
<b>Evaluation</b> D			<b>Evaluation</b> B	

$C_2H_6O$ (liq) Ethanol; Ethyl alcohol <b>Heat Capacity</b> 298.1 K, $C_p = 160.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ Extrapolation below 90 K, $38.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ . Revision of previous data. <b>Molecular Weight</b> 46.0688 <b>Wiswesser Line Notation</b> Q2 <b>Evaluation</b> C	29PAR/KEL	$C_2H_6O$ (liq) Ethanol; Ethyl alcohol <b>Heat Capacity</b> 298.15 K, $C_p = 111.96 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ Temperature range 16 to 350 K. <b>Entropy</b> 298.15 K, $S = 161.21 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ <b>Molecular Weight</b> 46.0688 <b>Wiswesser Line Notation</b> Q2 <b>Evaluation</b> A Reevaluation of 29KEL2 and 31FIO/GIN.	61GRE
$C_2H_6O$ (liq) Ethanol; Ethyl alcohol <b>Heat Capacity</b> 313.15 K, $C_p = 118.72 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ Temperature range 40 to 110 °C. <b>Molecular Weight</b> 46.0688 <b>Wiswesser Line Notation</b> Q2 <b>Evaluation</b> A	31FIO/GIN	$C_2H_6O$ (liq) Ethanol; Ethyl alcohol <b>Heat Capacity</b> 298 K, $C_p = 112.26 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ Temperature range 15 to 55 °C. <b>Molecular Weight</b> 46.0688 <b>Wiswesser Line Notation</b> Q2 <b>Evaluation</b> B	62RAB/NIK
$C_2H_6O$ (liq) Ethanol; Ethyl alcohol <b>Heat Capacity</b> 298 K, $C_p = 103.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ One temperature. <b>Molecular Weight</b> 46.0688 <b>Wiswesser Line Notation</b> Q2 <b>Evaluation</b> C	36ERN/WAT	$C_2H_6O$ (liq) Ethanol; Ethyl alcohol <b>Heat Capacity</b> 297.359 K, $C_p = 112.056 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ Temperature range 165 to 304 K. Unsmoothed experimental datum. <b>Phase Changes</b> c/liq 159.015 K <b>Molecular Weight</b> 46.0688 <b>Wiswesser Line Notation</b> Q2 <b>Evaluation</b> B	66HWA/ZIE
$C_2H_6O$ (liq) Ethanol; Ethyl alcohol <b>Heat Capacity</b> 298 K, $C_p = 111.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ One temperature. <b>Molecular Weight</b> 46.0688 <b>Wiswesser Line Notation</b> Q2 <b>Evaluation</b> A	39BYK	$C_2H_6O$ (liq) Ethanol; Ethyl alcohol <b>Heat Capacity</b> 250 K, $C_p = 97.53 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ Temperature range 80 to 250 K. <b>Phase Changes</b> c,II/c,I 111.4 K, $\Delta H = 3138 \text{ J} \cdot \text{mol}^{-1}$ , $\Delta S = 28.17 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ c,I/liq 158.8 K, $\Delta H = 4644 \text{ J} \cdot \text{mol}^{-1}$ , $\Delta S = 29.24 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ <b>Molecular Weight</b> 46.0688 <b>Wiswesser Line Notation</b> Q2 <b>Evaluation</b> A	67NIK/RAB
$C_2H_6O$ (liq) Ethanol; Ethyl alcohol <b>Heat Capacity</b> 297.8 K, $C_p = 114.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ Temperature range 174 to 298 K. Unsmoothed experimental datum. $C_p(\text{liq}) = 0.5437 + 0.001858t + 0.0000098t^2 \text{ cal} \cdot \text{g}^{-1} \cdot ^\circ\text{C}^{-1}$ . $C_p(298.15) = 114.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ , calculated from equation. <b>Molecular Weight</b> 46.0688 <b>Wiswesser Line Notation</b> Q2 <b>Evaluation</b> B	40MAZ	$C_2H_6O$ (liq) Ethanol; Ethyl alcohol <b>Heat Capacity</b> 313.2 K, $C_p = 118.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ One temperature. <b>Molecular Weight</b> 46.0688 <b>Wiswesser Line Notation</b> Q2 <b>Evaluation</b> B	70PAZ/PAZ
$C_2H_6O$ (liq) Ethanol; Ethyl alcohol <b>Phase Changes</b> c/liq 159 K, $\Delta H = 4973 \text{ J} \cdot \text{mol}^{-1}$ , $\Delta S = 31.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ <b>Molecular Weight</b> 46.0688 <b>Wiswesser Line Notation</b> Q2 <b>Evaluation</b> B	44YOS	$C_2H_6O$ (liq) Ethanol; Ethyl alcohol <b>Heat Capacity</b> 298.15 K, $C_p = 111.81 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ Temperature range 298 to 348 K. $C_p(\text{liq}) = 98.39 + 0.5368(T/K - 273.25) \text{ J/K} \cdot \text{mol}$ (298 to 348 K). <b>Molecular Weight</b> 46.0688 <b>Wiswesser Line Notation</b> Q2 <b>Evaluation</b> B	75PED/KAY
$C_2H_6O$ (liq) Ethanol; Ethyl alcohol <b>Heat Capacity</b> 316 K, $C_p = 118.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ Mean value 21 to 66 °C. <b>Molecular Weight</b> 46.0688 <b>Wiswesser Line Notation</b> Q2 <b>Evaluation</b> C	60SWI/ZIE	$C_2H_6O$ (liq) Ethanol; Ethyl alcohol <b>Heat Capacity</b> 298.15 K, $C_p = 112.33 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ One temperature. <b>Molecular Weight</b> 46.0688 <b>Wiswesser Line Notation</b> Q2 <b>Evaluation</b> A	76FOR/BEN

$C_2H_6O$ (liq)			
Ethanol; Ethyl alcohol			
<b>Heat Capacity</b> 298.15 K, One temperature.	$C_p = 112.094 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	76FOR/BEN2	84STE/C
<b>Molecular Weight</b> 46.0688			
<b>Wiswesser Line Notation</b> Q2			
<b>Evaluation</b> A			
Data from 76FOR/BEN.			
$C_2H_6O$ (liq)			
Ethanol; Ethyl alcohol			
<b>Heat Capacity</b> 298.15 K, Temperature range 14 to 300 K. Also glass, supercooled liquid, metastable crystal.	$C_p = 112.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	77HAI/SUG	
<b>Entropy</b> 298.15 K,	$S = 159.86 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
<b>Phase Changes</b>			
c,II/liq	$\Delta H = 659 \text{ J} \cdot \text{mol}^{-1}$		
	$\Delta S = 5.19 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
c,I/liq	$\Delta H = 4931 \text{ J} \cdot \text{mol}^{-1}$		
	$\Delta S = 31.01 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
<b>Molecular Weight</b> 46.0688			
<b>Wiswesser Line Notation</b> Q2			
<b>Evaluation</b> A			
$C_2H_6O$ (liq)			
Ethanol; Ethyl alcohol			
<b>Heat Capacity</b> 298.15 K, One temperature.	$C_p = 112.67 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	84ZEG/S	
<b>Molecular Weight</b> 46.0688			
<b>Wiswesser Line Notation</b> Q2			
<b>Evaluation</b> A			
$C_2H_6O$ (liq)			
Ethanol; Ethyl alcohol			
<b>Heat Capacity</b> 298.15 K, One temperature.	$C_p = 110.51 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	85OGA/M	
<b>Molecular Weight</b> 46.0688			
<b>Wiswesser Line Notation</b> Q2			
<b>Evaluation</b> B			
$C_2H_6O$ (liq)			
Ethanol; Ethyl alcohol			
<b>Heat Capacity</b> 298.15 K, Temperature range 298 to 318 K.	$C_p = 112.30 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	77VES/SVO	86OGA/M
<b>Molecular Weight</b> 46.0688			
<b>Wiswesser Line Notation</b> Q2			
<b>Evaluation</b> B			
$C_2H_6O$ (liq)			
Ethanol; Ethyl alcohol			
<b>Heat Capacity</b> 298.15 K, Temperature range 159 to 306 K. Results as equation only.	$C_p = 112.15 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	79BRO/ZIE	86TAN/T
<b>Molecular Weight</b> 46.0688			
<b>Wiswesser Line Notation</b> Q2			
<b>Evaluation</b> B			
$C_2H_6O$ (liq)			
Ethanol; Ethyl alcohol			
<b>Heat Capacity</b> 298.15 K, One temperature.	$C_p = 112.30 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	79VES/ZAB	88AND/I
<b>Molecular Weight</b> 46.0688			
<b>Wiswesser Line Notation</b> Q2			
<b>Evaluation</b> B			
$C_2H_6O$ (liq)			
Ethanol; Ethyl alcohol			
<b>Heat Capacity</b> 288.15 K, One temperature.	$C_p = 108.07 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	82BEN/DAR	89PET/I
<b>Molecular Weight</b> 46.0688			
<b>Wiswesser Line Notation</b> Q2			
<b>Evaluation</b> B			
$C_2H_6O$ (liq)			
Ethanol; Ethyl alcohol			
<b>Heat Capacity</b> 298.15 K, One temperature.	$C_p = 113.75 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	82VIL/CAS	60KEN/I
<b>Molecular Weight</b> 46.0688			
<b>Wiswesser Line Notation</b> Q2			
<b>Evaluation</b> B			
$C_2H_6OS$ (liq)			
Dimethyl sulfoxide			
<b>Heat Capacity</b> 298.15 K, Temperature range 298, 343 K.	$C_p = 149.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
<b>Molecular Weight</b> 78.1288			
<b>Wiswesser Line Notation</b> OS1&I			
<b>Evaluation</b> B			

$C_2H_6OS$ (liq)		70CLE/WES	$C_2H_6OS$ (liq)		93GRO/ROU
Dimethyl sulfoxide			Dimethyl sulfoxide		
<b>Heat Capacity</b> 298.15 K,		$C_p = 153.18 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,		$C_p = 149.39 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 5 to 350 K.			One temperature.		
<b>Entropy</b> 298.15 K,		$S = 188.78 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b> 78.1288		
<b>Phase Changes</b>			<b>Wiswesser Line Notation</b> OS1&1		
c/liq	291.67 K,	$\Delta H = 14368 \text{ J} \cdot \text{mol}^{-1}$	<b>Evaluation</b>	B	
		$\Delta S = 49.26 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
<b>Molecular Weight</b> 78.1288					
<b>Wiswesser Line Notation</b> OS1&1					
<b>Evaluation</b>	A				
$C_2H_6OS$ (liq)		78DEV/HEU	$(C_2H_6OS)_n$ (liq)		78LEB/MUK
Dimethyl sulfoxide			Poly(dimethylsiloxane)		
<b>Heat Capacity</b> 298.15 K,		$C_p = 155.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,		$C_p = 154.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
One temperature.			Temperature range 8 to 332 K.		
<b>Molecular Weight</b> 78.1288			<b>Entropy</b> 298.15 K,		$S = 154.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b> OS1&1			<b>Phase Changes</b>		
<b>Evaluation</b>	B		c/liq	246 K,	$\Delta H = 4540 \text{ J} \cdot \text{mol}^{-1}$
					$\Delta S = 18.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
			Degree of crystallinity is 67%.		
			<b>Molecular Weight</b> 74.1543		
			<b>Wiswesser Line Notation</b> /*-SI-O*1&1/		
			<b>Evaluation</b>	A	
$C_2H_6OS$ (liq)		79DEV/SOM	$(C_2H_6OS)_n$ (amorph)		89VAR/WES
Dimethyl sulfoxide			Poly(dimethylsiloxane)		
<b>Heat Capacity</b> 298.15 K,		$C_p = 155.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,		$C_p = 117.775 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
One temperature.			Temperature range 0.10 to 550 K. $C_p(\text{liq}) = 0.1215T + 81.55 \text{ J/(K mol)}$		
<b>Molecular Weight</b> 78.1288			(146 to 340 K).		
<b>Wiswesser Line Notation</b> OS1&1			<b>Entropy</b> 298.15 K,		$S = 150.394 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Evaluation</b>	B		<b>Phase Changes</b>		
			c/liq	219 K,	$\Delta H = 2750 \text{ J} \cdot \text{mol}^{-1}$
			100% crystallinity.		
			<b>Molecular Weight</b> 74.1543		
			<b>Wiswesser Line Notation</b> /*-SI-O*1&1/		
			<b>Evaluation</b>	A	
			T(glass) = 146 K.		
$C_2H_6OS$ (liq)		79VIS/SOM	$(C_2H_6OS)_n$ (c)		89VAR/WES
Dimethyl sulfoxide			Poly(dimethylsiloxane)		
<b>Heat Capacity</b> 298.15 K,		$C_p = 155.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,		$C_p = 120.274 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
One temperature.			Temperature range 0.10 to 550 K. $C_p(c) = \exp[0.0189189(\ln T)^3 - 0.402175(\ln T)^2 + 3.35144(\ln T) - 4.78444] \text{ J/(K mol)}$		
<b>Molecular Weight</b> 78.1288			(5 to 146 K).		
<b>Wiswesser Line Notation</b> OS1&1			<b>Entropy</b> 298.15 K,		$S = 135.769 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Evaluation</b>	B		<b>Phase Changes</b>		
			c/liq	219 K,	$\Delta H = 2750 \text{ J} \cdot \text{mol}^{-1}$
			100% crystallinity.		
			<b>Molecular Weight</b> 74.1543		
			<b>Wiswesser Line Notation</b> /*-SI-O*1&1/		
			<b>Evaluation</b>	A	
			T(glass) = 146 K.		
$C_2H_6OS$ (liq)		87LAN/CRI	$C_2H_6O_2$ (liq)		01FOR
Dimethyl sulfoxide			Ethylene glycol; 1,2-Dihydroxyethane; 1,2-Ethanediol		
<b>Heat Capacity</b> 298.15 K,		$C_p = 153.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>		$C_p = 152 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
One temperature.			Temperature range 286 to 332.7 K. Value given over temperature range.		
<b>Molecular Weight</b> 78.1288			<b>Molecular Weight</b> 62.0682		
<b>Wiswesser Line Notation</b> OS1&1			<b>Wiswesser Line Notation</b> Q2Q		
<b>Evaluation</b>	B		<b>Evaluation</b>	D	
$C_2H_6OS$ (liq)		88ROD/MAR			
Dimethyl sulfoxide					
<b>Heat Capacity</b> 298.15 K,		$C_p = 153.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
One temperature.					
<b>Molecular Weight</b> 78.1288					
<b>Wiswesser Line Notation</b> OS1&1					
<b>Evaluation</b>	B				
$C_2H_6OS$ (liq)		89BAR/KOO			
Dimethyl sulfoxide					
<b>Heat Capacity</b> 298.15 K,		$C_p = 148.28 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
One temperature.					
<b>Molecular Weight</b> 78.1288					
<b>Wiswesser Line Notation</b> OS1&1					
<b>Evaluation</b>	B				

$\text{C}_2\text{H}_6\text{O}_2$ (liq)		25PAR/KEL	$\text{C}_2\text{H}_6\text{O}_2$ (liq)		72KAW/
Ethylene glycol; 1,2-Dihydroxyethane; 1,2-Ethanediol			Ethylene glycol; 1,2-Dihydroxyethane; 1,2-Ethanediol		
<b>Heat Capacity</b>	293.0 K,	$C_p = 149.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	303 K,	$C_p = 145.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 88 to 293 K. Value is unsmoothed experimental datum.			One temperature.		
<b>Entropy</b>	298.1 K,	$S = 179.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b>	62.0682	
Extrapolation below 90 K, 11.46 cal $\cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .			<b>Wiswesser Line Notation</b>	Q2Q	
<b>Phase Changes</b>			<b>Evaluation</b>	B	
c/liq	260.8 K,	$\Delta H = 11623 \text{ J} \cdot \text{mol}^{-1}$			
		$\Delta S = 44.57 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
<b>Molecular Weight</b>	62.0682				
<b>Wiswesser Line Notation</b>	Q2Q				
<b>Evaluation</b>	$B(C_p), C(S)$				
$\text{C}_2\text{H}_6\text{O}_2$ (liq)		29PAR/KEL	$\text{C}_2\text{H}_6\text{O}_2$ (liq)		77MUR/
Ethylene glycol; 1,2-Dihydroxyethane; 1,2-Ethanediol			Ethylene glycol; 1,2-Dihydroxyethane; 1,2-Ethanediol		
<b>Entropy</b>	298.1 K,	$S = 166.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p = 149.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Extrapolation below 90 K, 8.2 cal $\cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ . Revision of previous data.			One temperature.		
<b>Molecular Weight</b>	62.0682		<b>Molecular Weight</b>	62.0682	
<b>Wiswesser Line Notation</b>	Q2Q		<b>Wiswesser Line Notation</b>	Q2Q	
<b>Evaluation</b>	C		<b>Evaluation</b>	B	
$\text{C}_2\text{H}_6\text{O}_2$ (liq)		32NEI/KUR	$\text{C}_2\text{H}_6\text{O}_2$ (liq)		79STE/
Ethylene glycol; 1,2-Dihydroxyethane; 1,2-Ethanediol			Ethylene glycol; 1,2-Dihydroxyethane; 1,2-Ethanediol		
<b>Heat Capacity</b>	293.4 K,	$C_p = 145.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298 K,	$C_p = 149.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 20.2 to 78.4 °C. Value is unsmoothed experimental datum.			Temperature range 273 to 493 K.		
<b>Molecular Weight</b>	62.0682		<b>Molecular Weight</b>	62.0682	
<b>Wiswesser Line Notation</b>	Q2Q		<b>Wiswesser Line Notation</b>	Q2Q	
<b>Evaluation</b>	C		<b>Evaluation</b>	B	
$\text{C}_2\text{H}_6\text{O}_2$ (liq)		62RAB/NIK	$\text{C}_2\text{H}_6\text{O}_2$ (liq)		82/
Ethylene glycol; 1,2-Dihydroxyethane; 1,2-Ethanediol			Ethylene glycol; 1,2-Dihydroxyethane; 1,2-Ethanediol		
<b>Heat Capacity</b>	298 K,	$C_p = 148.87 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298 K,	$C_p = 149.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 10 to 55 °C.			Temperature range 298, 323, 363 K.		
<b>Molecular Weight</b>	62.0682		<b>Molecular Weight</b>	62.0682	
<b>Wiswesser Line Notation</b>	Q2Q		<b>Wiswesser Line Notation</b>	Q2Q	
<b>Evaluation</b>	B		<b>Evaluation</b>	B	
$\text{C}_2\text{H}_6\text{O}_2$ (liq)		65TUN/MIS	$\text{C}_2\text{H}_6\text{O}_2\text{S}$ (c)		70CLE/
Ethylene glycol; 1,2-Dihydroxyethane; 1,2-Ethanediol			Dimethyl sulfone		
<b>Heat Capacity</b>	298 K,	$C_p = 147.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p = 125.35 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
One temperature.			Temperature range 5 to 410 K.		
<b>Molecular Weight</b>	62.0682		<b>Entropy</b>	298.15 K,	$S = 145.48 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b>	Q2Q		<b>Phase Changes</b>	c/liq	$\Delta H = 18301 \text{ J} \cdot \text{mol}^{-1}$
<b>Evaluation</b>	B				$\Delta S = 47.91 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
$\text{C}_2\text{H}_6\text{O}_2$ (liq)		67NIK/RAB2	<b>Molecular Weight</b>	94.1282	
Ethylene glycol; 1,2-Dihydroxyethane; 1,2-Ethanediol			<b>Wiswesser Line Notation</b>	WS1&1	
<b>Heat Capacity</b>	298.15 K,	$C_p = 150.33 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Evaluation</b>	A	
Temperature range 80 to 300 K.					
<b>Phase Changes</b>					
c/liq	260.6 K,	$\Delta H = 9958 \text{ J} \cdot \text{mol}^{-1}$			
		$\Delta S = 38.21 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
<b>Molecular Weight</b>	62.0682				
<b>Wiswesser Line Notation</b>	Q2Q				
<b>Evaluation</b>	B				
$\text{C}_2\text{H}_6\text{O}_2$ (liq)		70PAZ/PAZ	$\text{C}_2\text{H}_6\text{S}$ (liq)		42OSB/
Ethylene glycol; 1,2-Dihydroxyethane; 1,2-Ethanediol			Dimethylsulfide; 2-Thiapropane		
<b>Heat Capacity</b>	301.2 K,	$C_p = 150.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p = 118.11 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 28, 40 °C.			Temperature range 11 to 287 K.		
<b>Molecular Weight</b>	62.0682		<b>Entropy</b>	298.15 K,	$S = 196.40 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b>	Q2Q		<b>Phase Changes</b>	c/liq	$\Delta H = 7984.7 \text{ J} \cdot \text{mol}^{-1}$
<b>Evaluation</b>	B				$\Delta S = 45.67 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
					$\Delta H = 27983 \text{ J} \cdot \text{mol}^{-1}$
					$\Delta S = 96.14 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
					P=35.40 kPa

<b>C<sub>2</sub>H<sub>6</sub>S</b> (liq)		52MCC/SCO	<b>C<sub>2</sub>H<sub>6</sub>N</b> (liq)		39AST/EID
Ethanethiol; Ethyl mercaptan			Dimethylamine		
<b>Heat Capacity</b>	299.05 K,	$C_p = 117.99 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	280.44 K,	$C_p = 136.77 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 14 to 315 K. Unsmoothed experimental datum.			Temperature range 14 to 280 K. Value for saturated liquid.		
<b>Entropy</b>	298.15 K,	$S = 207.02 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Entropy</b>	280.03 K,	$S = 173.85 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Phase Changes</b>			Saturated liquid at boiling point.		
c/liq	195.26 K,	$\Delta H = 4975 \text{ J} \cdot \text{mol}^{-1}$	<b>Phase Changes</b>		
		$\Delta S = 25.48 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	c/liq	180.97 K,	$\Delta H = 5941 \text{ J} \cdot \text{mol}^{-1}$
<b>Molecular Weight</b>	62.1294				$\Delta S = 32.83 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b>	SH2				$\Delta H = 26485 \text{ J} \cdot \text{mol}^{-1}$
<b>Evaluation</b>	A				$\Delta S = 94.58 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
					P=101.325 kPa
<b>C<sub>2</sub>H<sub>6</sub>S<sub>2</sub></b> (liq)		50SCO/FIN	<b>Molecular Weight</b>	45.0840	
2,3-Dithiabutane; Dimethyl disulfide			<b>Wiswesser Line Notation</b>	1M1	
<b>Heat Capacity</b>	298.15 K,	$C_p = 146.11 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Evaluation</b>	A	
Temperature range 13 to 352 K.			<b>C<sub>2</sub>H<sub>7</sub>NO<sub>3</sub>S</b> (c)		40HUF/FOX
<b>Entropy</b>	298.15 K,	$S = 235.39 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	2-Aminoethanesulfonic acid; Taurine		
<b>Phase Changes</b>			<b>Heat Capacity</b>	300.3 K,	$C_p = 140.54 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c/liq	188.44 K,	$\Delta H = 9192.7 \text{ J} \cdot \text{mol}^{-1}$	Temperature range 90 to 298 K. Value is unsmoothed experimental		
		$\Delta S = 48.78 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	datum.		
<b>Molecular Weight</b>	94.1894		<b>Entropy</b>	298.15 K,	$S = 154.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b>	1SS1		Extrapolation below 90 K, 44.18 $\text{J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .		
<b>Evaluation</b>	A		<b>Molecular Weight</b>	125.1422	
<b>C<sub>2</sub>H<sub>6</sub>Se</b> (liq)		91RAB/SHE	<b>Wiswesser Line Notation</b>	Z2SWQ	
Dimethyl selenium			<b>Evaluation</b>	B( $C_p$ ),C(S)	
<b>Heat Capacity</b>	298.15 K,	$C_p = 121.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>C<sub>2</sub>H<sub>8</sub>BF<sub>4</sub>N</b> (c)		92ISH/IWA
Temperature range 5 to 300 K.			Dimethylammonium tetrafluoroborate		
<b>Entropy</b>	298.15 K,	$S = 210.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Phase Changes</b>		
<b>Phase Changes</b>			c,II/c,I	283.5 K,	$\Delta H = 7500 \text{ J} \cdot \text{mol}^{-1}$
c/liq	185.14 K,	$\Delta H = 8499 \text{ J} \cdot \text{mol}^{-1}$	c,I/liq	375 K,	$\Delta H = 3500 \text{ J} \cdot \text{mol}^{-1}$
		$\Delta S = 45.90 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b>	132.8955	
<b>Molecular Weight</b>	109.0294		<b>Wiswesser Line Notation</b>		
<b>Wiswesser Line Notation</b>	1-SE-1		<b>Evaluation</b>	B	
<b>Evaluation</b>	A		<b>C<sub>2</sub>H<sub>8</sub>BrN</b> (c)		90GEN/LUB
<b>C<sub>2</sub>H<sub>6</sub>Se<sub>2</sub></b> (liq)		91RAB/SHE	Ethylammonium bromide		
Dimethyl diselenide			<b>Heat Capacity</b>	300 K,	$C_p = 106.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Heat Capacity</b>	298.15 K,	$C_p = 155.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Temperature range 300 to 360 K. $C_p(c) = 343.6 - 1.69T + 0.003T^2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ (300 to 360 K).		
Temperature range 5 to 300 K.			$C_p$ value calculated from equation.		
<b>Entropy</b>	298.15 K,	$S = 261.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Phase Changes</b>		
<b>Phase Changes</b>			c,II/c,I	369.9 K,	$\Delta H = 12070 \text{ J} \cdot \text{mol}^{-1}$
c/liq	190.89 K,	$\Delta H = 8545 \text{ J} \cdot \text{mol}^{-1}$			$\Delta S = 32.63 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
		$\Delta S = 44.76 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	c,I/liq	439.5 K,	$\Delta H = 8520 \text{ J} \cdot \text{mol}^{-1}$
<b>Molecular Weight</b>	187.9894				$\Delta S = 19.38 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b>	1-SE-SE-1		<b>Molecular Weight</b>	125.9959	
<b>Evaluation</b>	A		<b>Wiswesser Line Notation</b>	Z2 & EH	
<b>C<sub>2</sub>H<sub>6</sub>Zn</b> (liq)		84SHE/NIS	<b>Evaluation</b>	A	
Dimethyl zinc			<b>C<sub>2</sub>H<sub>8</sub>N<sub>2</sub></b> (liq)		51AST/JAN
<b>Heat Capacity</b>	298.15 K,	$C_p = 129.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	N,N'-Dimethylhydrazine		
Temperature range 5 to 300 K.			<b>Heat Capacity</b>	298.15 K,	$C_p = 171.04 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Entropy</b>	298.15 K,	$S = 201.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Temperature range 15 to 298 K.		
<b>Phase Changes</b>			<b>Entropy</b>	298.15 K,	$S = 199.15 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c,II/c,I	210.26 K,	$\Delta H = 1061 \text{ J} \cdot \text{mol}^{-1}$	<b>Phase Changes</b>		
		$\Delta S = 5.05 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	c/liq	264.28 K,	$\Delta H = 13638 \text{ J} \cdot \text{mol}^{-1}$
c,I/liq	230.13 K,	$\Delta H = 6830 \text{ J} \cdot \text{mol}^{-1}$			$\Delta S = 51.60 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
		$\Delta S = 29.67 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b>	60.0986	
<b>Molecular Weight</b>	95.4494		<b>Wiswesser Line Notation</b>	1MM1	
<b>Wiswesser Line Notation</b>	1-ZN-1		<b>Evaluation</b>	A	
<b>Evaluation</b>	A				

<b>C<sub>2</sub>H<sub>8</sub>N<sub>2</sub></b> (liq)	50HOU/MAS	<b>C<sub>2</sub>H<sub>8</sub>N<sub>2</sub>O<sub>3</sub></b> (liq)	85ALL
1,2-Diaminoethane; Ethylenediamine		Ethylenammonium nitrate	
<b>Heat Capacity</b> 313 K,		<b>Heat Capacity</b> 298.15 K,	$C_p=90.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 313 to 333 K.		One temperature.	
<b>Molecular Weight</b> 60.0986		<b>Molecular Weight</b> 109.1047	
Wiswesser Line Notation Z2Z		Wiswesser Line Notation Z2 & WNZ	
<b>Evaluation</b> B		<b>Evaluation</b> B	
<b>C<sub>2</sub>H<sub>8</sub>N<sub>2</sub></b> (liq)	75MES/FIN	<b>C<sub>2</sub>H<sub>10</sub>Cl<sub>2</sub>N<sub>2</sub>Pt</b> (c)	91PAL/
1,2-Diaminoethane; Ethylenediamine		cis-Dichlorobis(methylamine)platinum	
<b>Heat Capacity</b> 298.15 K,		<b>Heat Capacity</b> 298.15 K,	$C_p=192.50 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 11 to 335 K.		Temperature range 10 to 300 K.	
<b>Entropy</b> 298.15 K,		<b>Entropy</b> 298.15 K,	$S=246.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Phase Changes</b>		<b>Molecular Weight</b> 328.1104	
c,II/c,I 189.0 K,		Wiswesser Line Notation Z1 2 .PT G2 -C	
c,I/liq 284.29 K,		<b>Evaluation</b> A	
<b>Molecular Weight</b> 60.0986		 	
Wiswesser Line Notation Z2Z		<b>C<sub>2</sub>H<sub>10</sub>Cl<sub>2</sub>N<sub>2</sub>Pt</b> (c)	91PAL/
<b>Evaluation</b> A		trans-Dichlorobis(methylamine)platinum	
 		<b>Heat Capacity</b> 298.15 K,	$C_p=188.22 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>C<sub>2</sub>H<sub>8</sub>N<sub>2</sub></b> (liq)	88BOB/KAM	Temperature range 10 to 300 K.	
1,2-Diaminoethan; Ethylenediamine		<b>Entropy</b> 298.15 K,	$S=249.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Heat Capacity</b> 313 K,		<b>Molecular Weight</b> 328.1104	
Temperature range 313 to 413 K.		Wiswesser Line Notation Z1 2 .PT G2 -T	
<b>Molecular Weight</b> 60.0986		<b>Evaluation</b> A	
Wiswesser Line Notation Z2Z		 	
<b>Evaluation</b> D		<b>C<sub>2</sub>H<sub>11</sub>B<sub>2</sub>N</b> (liq)	55FUR/I
 		N,N-Dimethylaminodiborane	
<b>C<sub>2</sub>H<sub>8</sub>N<sub>2</sub></b> (liq)	53AST/WOO	<b>Heat Capacity</b> 285 K,	$C_p=160.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
N,N-Dimethylhydrazine		Temperature range 5 to 285 K.	
<b>Heat Capacity</b> 298.15 K,		<b>Entropy</b> 285 K,	$S=216.40 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 13 to 300 K.		<b>Phase Changes</b>	
<b>Entropy</b> 298.15 K,		c,II/c,I 199.9 K,	$\Delta H=7794 \text{ J} \cdot \text{mol}^{-1}$
<b>Phase Changes</b>		c,I/liq 218.4 K	
c/liq 215.95 K,		<b>Molecular Weight</b> 70.7356	
liq/g 298.15 K,		Wiswesser Line Notation B2 H5 N1&1	
<b>Molecular Weight</b> 60.0896		<b>Evaluation</b> A	
Wiswesser Line Notation ZN1&1		 	
<b>Evaluation</b> A		<b>C<sub>2</sub>H<sub>12</sub>B<sub>10</sub></b> (liq)	81GOR/
 		m-Carborane; 1,7-Carborane-12	
<b>C<sub>2</sub>H<sub>8</sub>N<sub>2</sub>O<sub>4</sub></b> (c)	39SAT/SOG	<b>Heat Capacity</b> 298.15 K,	$C_p=229.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Ammonium oxalate		Temperature range 10 to 330 K.	
<b>Heat Capacity</b> 323 K,		<b>Entropy</b> 298.15 K,	$S=211.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 0 to 100 °C. Mean value.		<b>Phase Changes</b>	
<b>Molecular Weight</b> 124.0962		c,III/c,II 58.0 K,	$\Delta H=41 \text{ J} \cdot \text{mol}^{-1}$
Wiswesser Line Notation QVVQ &ZH2		c,II/c,I 165 K,	$\Delta S=0.73 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Evaluation</b> C		c,I/liq 280.1 K,	$\Delta H=1903 \text{ J} \cdot \text{mol}^{-1}$
 			$\Delta S=9.50 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>C<sub>2</sub>H<sub>9</sub>BF<sub>4</sub>N<sub>2</sub></b> (c)	92ISH/TAK		$\Delta H=4326 \text{ J} \cdot \text{mol}^{-1}$
1,1-Dimethylhydrazinium tetrafluoroborate		<b>Molecular Weight</b> 144.2168	
<b>Phase Changes</b>		<b>Evaluation</b> A	
c,III/c,II 265 K,		 	
c,II/c,I 268 K,		<b>C<sub>2</sub>H<sub>12</sub>Br<sub>6</sub>N<sub>2</sub>Te</b> (c)	86ONO/
c,I/liq 415 K,		Bis(methylammonium) hexabromotellurate (IV)	
<b>Molecular Weight</b> 147.9101		<b>Heat Capacity</b> 298.15 K,	$C_p=314.70 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Wiswesser Line Notation ZHN11 &BF4		Temperature range 13 to 320 K.	
<b>Evaluation</b> B		<b>Entropy</b> 298.15 K,	$S=592.98 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
 		<b>Phase Changes</b>	
c,IV/c,III 129.0 K,		c,III/c,II 163.9 K,	$\Delta H=1677 \text{ J} \cdot \text{mol}^{-1}$
c,III/c,II 163.9 K,		c,II/c,I 288.9 K,	$\Delta S=13.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c,II/c,I 288.9 K,			$\Delta H=885 \text{ J} \cdot \text{mol}^{-1}$
c,I/liq 288.9 K,			$\Delta S=5.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b> 671.1542			$\Delta H=4594 \text{ J} \cdot \text{mol}^{-1}$
Wiswesser Line Notation ZH&1 2 -TE- E6			$\Delta S=15.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Evaluation</b> A		The phase transition at 129.0 K is a higher order transition.	

<b>C<sub>2</sub>H<sub>12</sub>CdCl<sub>4</sub>N<sub>2</sub></b> (c)	81RAH/CLA	<b>C<sub>2</sub>H<sub>12</sub>Cl<sub>6</sub>N<sub>2</sub>Te</b> (c)	88ONO/MAT
Tetrachlorobis-(methylammonium) cadmium II		Bis(methylammonium) hexachlorotellurate	
<b>Heat Capacity</b> 298.15 K, $C_p = 261.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298.21 K, $C_p = 314.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 2.3 to 301 K.		Temperature range 13 to 300 K. Unsmoothed experimental datum.	
<b>Entropy</b> 298.15 K, $S = 410.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Phase Changes</b>	
<b>Phase Changes</b>		c,VI/c,V	$\Delta H = 470 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 6.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c,IV/c,III	164.2 K, $\Delta H = 1749 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 10.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	c,V/c,IV	$\Delta H = 1810 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 14.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c,III/c,II	282 K, $\Delta H = 66.5 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 0.25 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Lambda type transition.	
c,II/c,I	484 K, $\Delta H = \text{no data given. J} \cdot \text{mol}^{-1}$	c,IV/c,III	$\Delta H = 390 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 2.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b> 304.3455		c,III/c,II	$\Delta H = 330 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 1.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b> ZH&1 2 -CD- G4		c,II/c,I	$\Delta H = 4400 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 9.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Evaluation</b> B		<b>Molecular Weight</b> 376.4348	
		<b>Wiswesser Line Notation</b> ZH&1 2 -TE- G6	
		<b>Evaluation</b> B( $C_p$ ), A(Phase changes)	
<b>C<sub>2</sub>H<sub>12</sub>Cl<sub>4</sub>MnN<sub>2</sub></b> (c)	75BOC/ARR	<b>C<sub>2</sub>H<sub>12</sub>I<sub>6</sub>N<sub>2</sub>Te</b> (c)	86ONO/MAT
Tetrachlorobis-(methylammonium) manganese II		Bis(methylammonium) hexaiodotellurate	
<b>Phase Changes</b>		<b>Heat Capacity</b> 298.15 K, $C_p = 307.05 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
c,III/c,II	257 K, $\Delta H = 4.8 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 0.017 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Temperature range 12 to 300 K.	
c,II/c,I	393 K, $\Delta H = 3.6 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 0.007 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Entropy</b> 298.15 K, $S = 639.71 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Molecular Weight</b> 260.8802		<b>Phase Changes</b>	
<b>Wiswesser Line Notation</b> ZH&1 2 -MN- G4		c,III/c,II	$\Delta H = 403 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 6.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Evaluation</b> A		c,II/c,I	$\Delta H = 2555 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 22.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>C<sub>2</sub>H<sub>12</sub>Cl<sub>4</sub>MnN<sub>2</sub></b> (c)	82WHI/GRA	<b>Molecular Weight</b> 718.1547	
Tetrachlorobis-(methylammonium) manganese II		<b>Wiswesser Line Notation</b> ZH&1 2 -TE- I6	
<b>Heat Capacity</b> 298.15 K, $C_p = 263.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Evaluation</b> A	The phase transition at 66.1 K is a higher order transition.
Temperature range 10 to 300 K.			
<b>Entropy</b> 298.15 K, $S = 402.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
<b>Phase Changes</b>			
c,III/c,II	94.37 K, $\Delta H = 728 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 7.74 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
c,II/c,I	257.02 K, $\Delta H = 117 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 0.452 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
<b>Molecular Weight</b> 260.8802			
<b>Wiswesser Line Notation</b> ZH&1 2 -MN- G4			
<b>Evaluation</b> A			
<b>C<sub>2</sub>H<sub>12</sub>Cl<sub>6</sub>N<sub>2</sub>Pt</b> (c)	91KUM/MAT	<b>C<sub>2</sub>N<sub>2</sub></b> (liq)	39RUE/GIA
Bis(methylammonium) hexachloroplatinate		Cyanogen	
<b>Heat Capacity</b> 298.15 K, $C_p = 292.01 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 255 K, $C_p = 105.73 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 5 to 300 K.		Temperature range 15 to 252 K.	
<b>Entropy</b> 298.15 K, $S = 445.33 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Entropy</b> 252.0 K, $S = 138.83 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Phase Changes</b>		<b>Phase Changes</b>	
c,II/c,I	123.82 K, $\Delta H = 1490 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 14.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	c/liq	$\Delta H = 8109 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 33.05 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b> 471.9382		liq/g	$\Delta H = 23330 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 92.58 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ P=101.325 kPa
<b>Wiswesser Line Notation</b> ZH&1 2 -PT- Cl6			
<b>Evaluation</b> A			
<b>C<sub>2</sub>N<sub>6</sub>O<sub>12</sub></b> (c,I)	70KRI/LIC	<b>Molecular Weight</b> 52.0354	
Hexanitroethane		<b>Wiswesser Line Notation</b> NCCN	
<b>Heat Capacity</b> 291 K, $C_p = 327 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Evaluation</b> A	
Temperature range 190 to 350 K.			
<b>Phase Changes</b>			
c,II/c,I	291 K, $\Delta H = 12400 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 42.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
		Temperature range 289 to 292 K; 291 K assumed.	
		<b>Molecular Weight</b> 300.0550	
		<b>Wiswesser Line Notation</b> WNXNWNWXNWNWNW	
		<b>Evaluation</b> C	

<b>C<sub>2</sub>Na<sub>2</sub>O<sub>4</sub></b> (c)		37CHE/CHE	<b>C<sub>2,3</sub>H<sub>6,7</sub>N<sub>2</sub>O</b> (c)		69COP/F
Sodium oxalate			Urea-1-decene adduct; 1-Decene-urea adduct		
<b>Heat Capacity</b>	281 K,	$C_p=130 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p=133.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 273 to 373 K. Mean values, three temperatures.			Temperature range 12 to 300 K. Values for one mole urea in adduct		
<b>Molecular Weight</b>	133.9992		<b>Entropy</b>	298.15 K,	$S=145.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b>	OVVO .NA 2		Does not include possible zero point entropy.		
<b>Evaluation</b>	C		<b>Phase Changes</b>		
			Anomalous region 225 to 235 K, with $\Delta H=10 \text{ J} \cdot \text{mol}^{-1}$ (urea)		
			$\Delta S=0.045 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .		
<b>C<sub>2</sub>O<sub>4</sub>Pb</b> (c)		60KAP/STR	<b>Molecular Weight</b>	78.3911	
Lead (II) oxalate			<b>Wiswesser Line Notation</b>	ZVZ &9U1 0.1370	
<b>Heat Capacity</b>	299.37 K,	$C_p=102.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Evaluation</b>	B	
Temperature range 66 to 300 K. Value is unsmoothed experimental datum.					
<b>Entropy</b>	298.16 K,	$S=146.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
Extrapolation below 66 K, 28.0 $\text{J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .					
<b>Molecular Weight</b>	295.2196				
<b>Wiswesser Line Notation</b>	OVVO .PB				
<b>Evaluation</b>	B				
<b>C<sub>22</sub>H<sub>6,5</sub>N<sub>2</sub>O</b> (c)		72GAN/PAR	<b>C<sub>2,4</sub>H<sub>6,8</sub>N<sub>2</sub>O</b> (c)		72GAN/F
Urea-1-dodecene adduct; 1-Dodecene-urea adduct			Urea-1-octadecene adduct; 1-Octadecene-urea adduct		
<b>Heat Capacity</b>	298.15 K,	$C_p=126.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p=128.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 12 to 300 K. Values for one mole of urea in adduct.			Temperature range 12 to 300 K. Values for one mole of urea in adduct		
<b>Entropy</b>	298.15 K,	$S=141.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Entropy</b>	298.15 K,	$S=142.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Does not include possible zero-point entropy.			Does not include possible zero-point entropy.		
<b>Phase Changes</b>			<b>Phase Changes</b>		
Anomalous region 225 to 235 K, $\Delta H=2 \text{ J} \cdot \text{mol}^{-1}$ (urea), $\Delta S=0.010 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .			Anomalous region 225 to 235 K, $\Delta H=12 \text{ J} \cdot \text{mol}^{-1}$ (urea)		
c,II/c,I	82.0 K,	$\Delta H=426 \text{ J} \cdot \text{mol}^{-1}$	$\Delta S=0.049 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .		
		$\Delta S=5.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	c,II/c,I	155.9 K,	$\Delta H=1926 \text{ J} \cdot \text{mol}^{-1}$
<b>Molecular Weight</b>	76.9884				$\Delta S=12.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b>	ZVZ &11U1 0.1060		<b>Molecular Weight</b>	79.6930	
<b>Evaluation</b>	B		<b>Wiswesser Line Notation</b>	ZVZ &17U1 0.0785	
			<b>Evaluation</b>	B	
<b>C<sub>22</sub>H<sub>6,6</sub>N<sub>2</sub>O</b> (c)		69COP/PAR	<b>C<sub>2,4</sub>H<sub>6,8</sub>N<sub>2</sub>O</b> (c)		69COP/I
Urea-n-undecane adduct; n-Undecane-urea adduct			Urea-1-eicosene adduct; 1-Eicosene-urea adduct		
<b>Heat Capacity</b>	298.15 K,	$C_p=129.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p=129.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 12 to 300 K. Values for one mole urea in adduct.			Temperature range 12 to 300 K. Values for one mole urea in adduct		
<b>Entropy</b>	298.15 K,	$S=138.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Entropy</b>	298.15 K,	$S=139.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Does not include possible zero-point entropy.			Does not include zero-point entropy.		
<b>Phase Changes</b>			<b>Phase Changes</b>		
Anomalous region 225 to 235 K, with $\Delta H=14 \text{ J} \cdot \text{mol}^{-1}$ (urea) and $\Delta S=-0.061 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .			Anomalous region 225 to 235 K, with $\Delta H=1 \text{ J} \cdot \text{mol}^{-1}$ (urea)		
c,II/c,I	122.4 K,	$\Delta H=144.6 \text{ J} \cdot \text{mol}^{-1}$	$\Delta S=0.002 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .		
		$\Delta S=1.18 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	c,II/c,I	153.9 K,	$\Delta H=100.0 \text{ J} \cdot \text{mol}^{-1}$
<b>Molecular Weight</b>	77.0892				$\Delta S=0.65 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b>	ZVZ &11H 0.1104		<b>Molecular Weight</b>	79.6930	
<b>Evaluation</b>	B		<b>Wiswesser Line Notation</b>	ZVZ &19U1 0.0701	
			<b>Evaluation</b>	B	
<b>C<sub>2,3</sub>H<sub>6,7</sub>N<sub>2</sub>O</b> (c)		69COP/PAR	<b>C<sub>2,4</sub>H<sub>6,9</sub>N<sub>2</sub>O</b> (c)		72GAN/F
Urea-1-hexadecene adduct; 1-Hexadecene-urea adduct			Urea-1-tetradecene adduct; 1-Tetradecene-urea adduct		
<b>Heat Capacity</b>	298.15 K,	$C_p=129.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p=129.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 12 to 300 K. Values for one mole urea in adduct.			Temperature range 12 to 300 K. Values for one mole urea in adduct		
<b>Entropy</b>	298.15 K,	$S=141.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Entropy</b>	298.15 K,	$S=145.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Does not include possible zero-point entropy.			Does not include possible zero-point entropy.		
<b>Phase Changes</b>			<b>Phase Changes</b>		
Anomalous region 225 to 235 K, with $\Delta H=23 \text{ J} \cdot \text{mol}^{-1}$ (urea) and $\Delta S=0.101 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .			Anomalous region 225 to 235 K, with $\Delta H=15 \text{ J} \cdot \text{mol}^{-1}$ (urea)		
c,II/c,I	141.7 K,	$\Delta H=140.2 \text{ J} \cdot \text{mol}^{-1}$	$\Delta S=0.067 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .		
		$\Delta S=0.99 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	c,II/c,I	256.6 K,	$\Delta H=3634 \text{ J} \cdot \text{mol}^{-1}$
<b>Molecular Weight</b>	78.3911				$\Delta S=12.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b>	ZVZ &15H 0.860		<b>Molecular Weight</b>	80.0660	
<b>Evaluation</b>	B		<b>Wiswesser Line Notation</b>	ZVZ &13U1 0.1019	
			<b>Evaluation</b>	B	
			<b>C<sub>3</sub>CEN<sub>3</sub>S<sub>3</sub>·7H<sub>2</sub>O</b> (c)		91TAN/F
			Cerium isothiocyanate heptahydrate		
			<b>Heat Capacity</b>	298.15 K,	$C_p=537.62 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
			Temperature range 13 to 300 K.		
			<b>Entropy</b>	298.15 K,	$S=611.16 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
			<b>Molecular Weight</b>	440.4595	
			<b>Wiswesser Line Notation</b>	SCN-CE-NCS&NCS &QH 7	
			<b>Evaluation</b>	A	

<b>C<sub>3</sub>Cl<sub>6</sub></b> (c)		90SUH/MAN	<b>C<sub>3</sub>H<sub>2</sub>ClF<sub>5</sub></b> (liq)		74VOR/KOL
Hexachlorocyclopropane			1-Chloro-1,1,3,3,3-pentafluoropropane		
<b>Phase Changes</b>			<b>Heat Capacity</b>	298.15 K,	$C_p=196.48 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
301 K,	$\Delta H=0.21 \text{ J}\cdot\text{mol}^{-1}$		Temperature range 12 to 300 K. Data in paper deposited at VINITI, No. 6783-73, 25 Sept. 1973.		
Lambda-type transition.			<b>Entropy</b>	298.15 K,	$S=403.67 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c,II/c,I	285 K,		<b>Phase Changes</b>	165.42 K,	$\Delta H=10473 \text{ J}\cdot\text{mol}^{-1}$
$\Delta H=1.26 \text{ J}\cdot\text{mol}^{-1}$			c/liq		$\Delta S=63.31 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Anomalous transition plus lambda type transition.			<b>Molecular Weight</b>	168.4938	
c,I/liq	376 K,		<b>Wiswesser Line Notation</b>	GXFF1XFFF	
$\Delta H=18600 \text{ J}\cdot\text{mol}^{-1}$		$\Delta S=49 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Evaluation</b>	A	
<b>Molecular Weight</b>	248.7510				
<b>Wiswesser Line Notation</b>	L3TJ AG AG BG BG CG CG				
<b>Evaluation</b>	A				
<b>C<sub>3</sub>F<sub>6</sub>O</b> (liq)		67PLA/PAC	<b>C<sub>3</sub>H<sub>2</sub>Cl<sub>2</sub>O<sub>3</sub></b> (liq)		76MAS/PET
Hexafluoropropanone; Hexafluoroacetone			4,5-Dichloro-1,3-dioxolan-2-one		
<b>Heat Capacity</b>	245 K,	$C_p=181.29 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298 K,	$C_p=195 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 12 to 244 K.			Temperature range 200 to 340 K. Data graphically only. Value estimated from graph.		
<b>Entropy</b>	245.87 K,	$S=286.60 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Molecular Weight</b>	156.9530	
<b>Phase Changes</b>			<b>Wiswesser Line Notation</b>	T5OVOTJ DG EG	
c/liq	147.70 K,	$\Delta H=8382.6 \text{ J}\cdot\text{mol}^{-1}$	<b>Evaluation</b>	D	
		$\Delta S=56.75 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
liq/g	245.87 K,	$\Delta H=21615 \text{ J}\cdot\text{mol}^{-1}$			
		$\Delta S=87.91 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
		$P=101.325 \text{ kPa}$			
<b>Molecular Weight</b>	166.0228				
<b>Wiswesser Line Notation</b>	FXFFVXFFF				
<b>Evaluation</b>	A				
<b>C<sub>3</sub>F<sub>8</sub></b> (liq)		67PAC/PLA	<b>C<sub>3</sub>H<sub>2</sub>Cl<sub>3</sub>F<sub>3</sub></b> (liq)		71KOL/VOR
Perfluoropropane; Octafluoropropene			1,1,1-Trichloro-3,3,3-trifluoropropane		
<b>Heat Capacity</b>	235 K,	$C_p=181.38 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p=199.91 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 14 to 236 K.			Temperature range 12 to 300 K. Data in paper deposited at VINITI, No. 1760-70, 21 May 1970.		
<b>Entropy</b>	236.42 K,	$S=287.23 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Entropy</b>	298.15 K,	$S=311.42 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Phase Changes</b>			<b>Phase Changes</b>	c/liq	$\Delta H=14067 \text{ J}\cdot\text{mol}^{-1}$
c,II/c,I	99.39 K,	$\Delta H=3555.6 \text{ J}\cdot\text{mol}^{-1}$			$\Delta S=60.45 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
		$\Delta S=35.77 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
c,I/liq	125.45 K,	$\Delta H=477.4 \text{ J}\cdot\text{mol}^{-1}$			
		$\Delta S=3.81 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
liq/g	236.42 K,	$\Delta H=19761 \text{ J}\cdot\text{mol}^{-1}$			
		$\Delta S=83.58 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
		101.325 kPa			
<b>Molecular Weight</b>	188.0202				
<b>Wiswesser Line Notation</b>	FXFFXFFF				
<b>Evaluation</b>	A				
<b>C<sub>3</sub>GdN<sub>3</sub>S<sub>3</sub>·6H<sub>2</sub>O</b> (c)		91TAN/MAT	<b>C<sub>3</sub>H<sub>2</sub>N<sub>2</sub></b> (c,l)		68GIR/WES
Gadolinium isothiocyanate hexahydrate			Malononitrile; Dicyanomethane		
<b>Heat Capacity</b>	298.15 K,	$C_p=459.98 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p=110.29 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 13 to 300 K.			Temperature range 5 to 320 K.		
<b>Entropy</b>	298.15 K,	$S=527.16 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Entropy</b>	298.15 K,	$S=130.96 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b>	439.5743		Entropy as calculated from data on undercooled, c,I from 5 K and from data on c,II, c,II/c,I transition, and c,I is the same.		
<b>Wiswesser Line Notation</b>	SCN-GD-NCS&NCS &QH 6		<b>Phase Changes</b>		
<b>Evaluation</b>	A		Transition between stable c,II and metastable c,I between 255 to 270 K; maximum in $C_p$ at 260.3 with $\Delta H=1264 \text{ J}\cdot\text{mol}^{-1}$ and $\Delta S=4.86 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ . Metastable c,I can be undercooled to 5 K.		
 			c,I/liq	304.99 K,	$\Delta H=10795 \text{ J}\cdot\text{mol}^{-1}$
					$\Delta S=35.39 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b>	66.0622				
<b>Wiswesser Line Notation</b>	NC1CN				
<b>Evaluation</b>	A				
<b>C<sub>3</sub>HF<sub>7</sub></b> (liq)		92WIR/BRA	<b>C<sub>3</sub>H<sub>2</sub>N<sub>2</sub></b> (c)		87WAS/OLE
1,1,1,2,3,3,3-Heptafluoropropane: R227			Malononitrile; Dicyanomethane		
<b>Heat Capacity</b>	303.15 K,	$C_p=137.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>		
Temperature range 253 to 423 K. Extrapolation to p=0 kPa.			Temperature range 150 to 320 K. Data given graphically.		
<b>Molecular Weight</b>	170.0297		<b>Phase Changes</b>		
<b>Wiswesser Line Notation</b>	FXFFYFXFFF		c,IV/c,II	140 K	
<b>Evaluation</b>	A			Re-entrant phase transition; second order.	
 			c,III/c,II		
				First order transition; slow.	
			c,I/c,I'	303 K	
				First order transition.	
			c,II/c,II	260 K	
				Phase III is stable below 260 K.	
			c,II/c,I	295 K	
				Second order transition.	
				<b>Molecular Weight</b>	66.0622
				<b>Wiswesser Line Notation</b>	NC1CN
				<b>Evaluation</b>	A

<b>C<sub>3</sub>H<sub>3</sub>ClO<sub>3</sub></b> (liq)	76MAS/PET	<b>C<sub>3</sub>H<sub>3</sub>NO</b> (liq)	93STE/
4-Chloro-1,3-dioxolan-2-one		Isoxazole	
<b>Heat Capacity</b> 298 K,	$C_p=238 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p=108.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 200 to 325 K. Data graphically only. Value estimated from graph.		One temperature.	
<b>Molecular Weight</b> 122.5079		<b>Molecular Weight</b> 69.0628	
<b>Wiswesser Line Notation</b> T5OVOTJ DG		<b>Wiswesser Line Notation</b> T5NOJ	
<b>Evaluation</b> D		<b>Evaluation</b> A	
<b>C<sub>3</sub>H<sub>3</sub>Cl<sub>2</sub>F<sub>3</sub></b> (liq)	72KOL/VOR	<b>C<sub>3</sub>H<sub>3</sub>NS</b> (liq)	68GOU/A
1,1,1-Trifluoro-3,3-dichloropropane		Thiazole	
<b>Heat Capacity</b> 298.15 K,	$C_p=191.29 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p=121.00 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 12 to 300 K.		Temperature range 5 to 340 K. Glass transition 145 to 175 K.	
<b>Entropy</b> 298.15 K,	$S=295.06 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Entropy</b> 298.15 K,	$S=169.95 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Phase Changes</b>		<b>Phase Changes</b>	
c,III/c,II	156.4 K,	c/liq	$\Delta H=9590 \text{ J}\cdot\text{mol}^{-1}$
Metastable crystal transition. Non-equilibrium.	$\Delta H=-900.4 \text{ J}\cdot\text{mol}^{-1}$	239.48 K,	$\Delta S=40.04 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c,II/c,I	167.7 K,		
	$\Delta H=200.8 \text{ J}\cdot\text{mol}^{-1}$		
	$\Delta S=-1.20 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		
c,I/liq	182.16 K,		
	$\Delta H=10134 \text{ J}\cdot\text{mol}^{-1}$		
	$\Delta S=55.63 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		
<b>Molecular Weight</b> 166.9579		<b>Molecular Weight</b> 85.1234	
<b>Wiswesser Line Notation</b> GYG1XFFF		<b>Wiswesser Line Notation</b> T5N CSJ	
<b>Evaluation</b> A		<b>Evaluation</b> A	
<b>C<sub>3</sub>H<sub>3</sub>N</b> (liq)	45DAV/WIE	<b>C<sub>3</sub>H<sub>3</sub>NS</b> (liq)	69SOU/C
Acrylonitrile; Cyanoethene; Vinyl cyanide		Thiazole	
<b>Heat Capacity</b> 298 K,	$C_p=113 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p=121.00 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
One temperature.		Temperature range 4 to 350 K.	
<b>Molecular Weight</b> 53.0634		<b>Entropy</b> 298.15 K,	$S=169.95 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Wiswesser Line Notation</b> NC1U1		<b>Phase Changes</b>	
<b>Evaluation</b> D		Anomalous region 145 to 175 K.	
 		c/liq	239.53 K,
<b>C<sub>3</sub>H<sub>3</sub>N</b> (liq)	71HAL/BAL	<b>Molecular Weight</b> 85.1234	$\Delta H=9539.7 \text{ J}\cdot\text{mol}^{-1}$
Acrylonitrile; Cyanoethene; Vinyl cyanide		<b>Wiswesser Line Notation</b> T5N CSJ	$\Delta S=40.04 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Heat Capacity</b> 297 K,	$C_p=106.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Evaluation</b> A	
One temperature.		 	
<b>Molecular Weight</b> 53.0634		<b>C<sub>3</sub>H<sub>3</sub>N<sub>3</sub></b> (c)	79BR
<b>Wiswesser Line Notation</b> NC1U1		s-Triazine	
<b>Evaluation</b> C		<b>Heat Capacity</b> 298.15 K,	$C_p=95.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
 		Temperature range 160 to 382 K.	
<b>C<sub>3</sub>H<sub>3</sub>N</b> (liq)	72FIN/MES	<b>Phase Changes</b>	
Acrylonitrile; Cyanoethene; Vinyl cyanide		Transition between 130 and 177 K with $\Delta H=75 \text{ J}\cdot\text{mol}^{-1}$ .	
<b>Heat Capacity</b> 298.15 K,	$C_p=108.78 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	c,I/liq	$\Delta H=14584 \text{ J}\cdot\text{mol}^{-1}$
Temperature range 12 to 350 K.			$\Delta S=41.21 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Entropy</b> 298.15 K,	$S=178.91 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Molecular Weight</b> 81.0768	
<b>Phase Changes</b>		<b>Wiswesser Line Notation</b> T6N CN ENJ	
c,II/c,I	162.5 K,	<b>Evaluation</b> B	
	$\Delta H=1188.3 \text{ J}\cdot\text{mol}^{-1}$	 	
	$\Delta S=7.31 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	 	
c,I/liq	189.63 K,	<b>C<sub>3</sub>H<sub>3</sub>N<sub>3</sub></b> (c)	88BON
	$\Delta H=6230.0 \text{ J}\cdot\text{mol}^{-1}$	s-Triazine	
	$\Delta S=32.85 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p=95.57 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b> 53.0634		Temperature range 10 to 340 K.	
<b>Wiswesser Line Notation</b> NC1U1		<b>Entropy</b> 298.15 K,	$S=125.97 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Evaluation</b> A		<b>Phase Changes</b>	
 		c,II/c,I	197.7 K,
<b>C<sub>3</sub>H<sub>3</sub>N</b> (liq)	87MIR/SHA		$\Delta H=74.0 \text{ J}\cdot\text{mol}^{-1}$
Acrylonitrile; Cyanoethene; Vinyl cyanide		First order treatment from 175 K	
<b>Heat Capacity</b> 298.15 K,	$C_p=98.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	First order treatment from 150 K	$\Delta H=127.4 \text{ J}\cdot\text{mol}^{-1}$
Temperature range 213 to 333 K. Unsmoothed experimental datum given as 1.898 kJ/kg·K at 293 K. $C_p(\text{liq})=2.05105 + 0.00465503T/K + 1.34722 \times 10^{-5}T^2/K^2$ kJ/kg·K (213 to 333 K). Note, second coefficient should be negative.		Second order treatment	$\Delta H=362.8 \text{ J}\cdot\text{mol}^{-1}$
<b>Molecular Weight</b> 53.0634		c,I/liq	353.44 K.
<b>Wiswesser Line Notation</b> NC1U1		<b>Molecular Weight</b> 81.0768	$\Delta H=14560 \text{ J}\cdot\text{mol}^{-1}$
<b>Evaluation</b> D		<b>Wiswesser Line Notation</b> T6N CN ENJ	
<b>Evaluation</b> A			

<b>C<sub>3</sub>H<sub>3</sub>N<sub>3</sub>O<sub>3</sub></b> (c)	83DEW/DEK	<b>C<sub>3</sub>H<sub>4</sub>Cl<sub>4</sub></b> (liq)	74KOL/VOR
Cyanuric acid; Triazine triol		1,1,1,3-Tetrachloropropane	
<b>Heat Capacity</b> 300 K,	$C_p = 133.63 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p = 196.40 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 90 to 340 K.	$C_p = 20.63 + 0.3758 (\text{T/K}) \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ (90 to 340 K).	Temperature range 12 to 300 K.	
<b>Molecular Weight</b> 129.0750		<b>Entropy</b> 298.15 K,	$S = 284.30 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b> T6N CN ENJ BQ DQ FQ		<b>Phase Changes</b>	
<b>Evaluation</b>	B( $C_p$ ), A(Phase changes).	c,II/c,I	$\Delta H = 2205 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 10.03 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
		c,I/liq	$\Delta H = 10489 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 44.12 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>C<sub>3</sub>H<sub>3</sub>N<sub>3</sub>O<sub>3</sub></b> (c)	92KOZ/KAB2	<b>Molecular Weight</b> 181.8766	
Cyanuric acid; Triazine triol		<b>Wiswesser Line Notation</b> GXGG2G	
<b>Heat Capacity</b> 298.15 K,	$C_p = 130.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Evaluation</b>	A
Temperature range 5 to 330 K.			
<b>Entropy</b> 298.15 K,	$S = 142.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
<b>Molecular Weight</b> 129.0750			
<b>Wiswesser Line Notation</b> T6N CN ENJ BQ DQ FQ			
<b>Evaluation</b>	A		
<b>C<sub>3</sub>H<sub>4</sub>ClF<sub>3</sub></b> (liq)	72KOL/VOR	<b>C<sub>3</sub>H<sub>4</sub>N<sub>2</sub></b> (c)	83DEW/DEK
1,1,1-Trifluoro-3-chloropropane		Imidazole	
<b>Heat Capacity</b> 298.15 K,	$C_p = 171.08 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 300 K,	$C_p = 89.78 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 12 to 300 K.		Temperature range 90 to 370 K.	
<b>Entropy</b> 298.15 K,	$S = 271.67 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Phase Changes</b>	
<b>Phase Changes</b>		c/liq	$\Delta H = 12821 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 35.35 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c,III/c,II	116.0 K,	<b>Molecular Weight</b> 68.0780	
Metastable crystal transition. Non-equilibrium.		<b>Wiswesser Line Notation</b> T5M CNJ	
c,II/c,I	169.8 K,	<b>Evaluation</b>	B( $C_p$ ), A(Phase changes).
c,I/liq	179.40 K,		
<b>Molecular Weight</b> 132.5128		<b>C<sub>3</sub>H<sub>4</sub>N<sub>2</sub></b> (c)	83DEW/OFF
<b>Wiswesser Line Notation</b> G2XFFF		Imidazole	
<b>Evaluation</b>	A	<b>Heat Capacity</b> 310 K,	$C_p = 94.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
		Temperature range 300 to 450 K.	
		<b>Phase Changes</b>	
		c/liq	$\Delta H = 12800 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 35.37 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
		<b>Molecular Weight</b> 68.0780	
		<b>Wiswesser Line Notation</b> T5M CNJ	
		<b>Evaluation</b>	B
<b>C<sub>3</sub>H<sub>4</sub>ClF<sub>3</sub></b> (liq)	74KOL/VOR	<b>C<sub>3</sub>H<sub>4</sub>N<sub>2</sub></b> (c)	87JIM/ROU
1,1,1-Trifluoro-3-chloropropane		Imidazole	
<b>Heat Capacity</b> 298.15 K,	$C_p = 171.08 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p = 82.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 12 to 300 K.		One temperature. $C_p$ given as $1.21 \text{ J} \cdot \text{K}^{-1} \cdot \text{g}^{-1}$ .	
<b>Entropy</b> 298.15 K,	$S = 271.67 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b> 68.0780	
<b>Phase Changes</b>		<b>Wiswesser Line Notation</b> T5M CNJ	
c,III/c,II	116.0 K,	<b>Evaluation</b>	B
Maximum temperature of metastable phase. $\Delta H$ obtained from total heat 115 to 137 K, calculated to 116 K. Not reversible.	$\Delta H = -2531 \text{ J} \cdot \text{mol}^{-1}$		
c,II/c,I	169.8 K,		
c,I/liq	179.32 K,		
<b>Molecular Weight</b> 132.5128		<b>C<sub>3</sub>H<sub>4</sub>N<sub>2</sub></b> (c)	89HIL/MOU
<b>Wiswesser Line Notation</b> G2XFFF		Imidazole	
<b>Evaluation</b>	A	<b>Phase Changes</b>	
		c/liq	$\Delta H = 12500 \text{ J} \cdot \text{mol}^{-1}$
		<b>Molecular Weight</b> 68.0780	
		<b>Wiswesser Line Notation</b> T5M CNJ	
		<b>Evaluation</b>	A
<b>C<sub>3</sub>H<sub>4</sub>Cl<sub>3</sub>NSi</b> (c)	75KOS/SAM	<b>C<sub>3</sub>H<sub>4</sub>N<sub>2</sub></b> (c)	83DEW/OFF
$\beta$ -Trichlorosilylpropionitrile		Pyrazole	
<b>Heat Capacity</b> 298.15 K,	$C_p = 186.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 300 K,	$C_p = 87.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 13.4 to 322.5 K. Deposited in VINITI, No 586-75, 10 March 1975.	Temperature range 300 to 450 K.		
<b>Entropy</b> 298.15 K,	$S = 246.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Phase Changes</b>	
<b>Phase Changes</b>		c/liq	$\Delta H = 13800 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 41.43 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c/liq	307.90 K,	<b>Molecular Weight</b> 68.0780	
		<b>Wiswesser Line Notation</b> T5MNJ	
<b>Molecular Weight</b> 188.5158		<b>Evaluation</b>	B
<b>Wiswesser Line Notation</b> NC2-SI-GGG			
<b>Evaluation</b>	A		

$C_3H_4N_2$ (c)		87JIM/ROU	$C_3H_4O_2$ (liq)		79YEV/L
Pyrazole			$\beta$ -Propiolactone		
<b>Heat Capacity</b>	298.15 K,	$C_p=81.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p=122.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
One temperature. $C_p$ given as $1.19 \text{ J} \cdot \text{K}^{-1} \cdot \text{g}^{-1}$ .			Temperature range 5 to 400 K.		
<b>Molecular Weight</b>	68.0780		<b>Entropy</b>	298.15 K,	$S=175.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Wiswesser Line Notation T5MNJ			<b>Phase Changes</b>		
<b>Evaluation</b>	B		c/liq	239.86 K,	$\Delta H=9410 \text{ J} \cdot \text{mol}^{-1}$
					$\Delta S=39.23 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
$C_3H_4N_2$ (c)		89HIL/MOU	<b>Molecular Weight</b>	72.0634	
Pyrazole			Wiswesser Line Notation	T4OV TJ	
<b>Phase Changes</b>			<b>Evaluation</b>	A	
c/liq	343.2 K,	$\Delta H=14200 \text{ J} \cdot \text{mol}^{-1}$			
<b>Molecular Weight</b>	68.0780		$C_3H_4O_2$ (liq)		83LEB/Y
Wiswesser Line Notation T5MNJ			$\beta$ -Propiolactone		
<b>Evaluation</b>	A		<b>Heat Capacity</b>	298.15 K,	$C_p=122.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
			Temperature range 13.8 to 340 K.		
$C_3H_4N_2O$ (c)		83DEW/OFF	<b>Entropy</b>	298.15 K,	$S=175.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Cyanoacetamide			<b>Phase Changes</b>		
<b>Heat Capacity</b>	300 K,	$C_p=111.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	c/liq	239.86 K,	$\Delta H=9410 \text{ J} \cdot \text{mol}^{-1}$
Temperature range 300 to 450 K.					$\Delta S=39.23 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Phase Changes</b>			<b>Molecular Weight</b>	72.0634	
c,II/c,I	346.5 K,	$\Delta H=1200 \text{ J} \cdot \text{mol}^{-1}$	Wiswesser Line Notation	T4OV TJ	
		$\Delta S=3.46 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Evaluation</b>	A	
c,I/liq	387.3 K,	$\Delta H=21700 \text{ J} \cdot \text{mol}^{-1}$			
		$\Delta S=56.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	$(C_3H_4O_2)_n$ (liq)		79YEV/L
<b>Molecular Weight</b>	84.0774		Poly- $\beta$ -propiolactone		
Wiswesser Line Notation ZV1CN			<b>Heat Capacity</b>	298.15 K,	$C_p=134.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Evaluation</b>	B		Temperature range 5 to 400 K. Highly elastic polymer.		
			$C_p(298.15)=89.74 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ for crystalline polymer.		
$C_3H_4N_2OS$ (c)		82LEB/NOV	<b>Entropy</b>	298.15 K,	$S=111.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
2-Imino-4-thiazolidinone; 2-Amino-4(5H)-thiazolone			Highly elastic polymer. $S(298.15)=101.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ for crystalline polymer.		
<b>Heat Capacity</b>	277.8 K,	$C_p=106.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b>	72.0634	
Temperature range 66 to 300 K.			Wiswesser Line Notation	/*OV2*/	
<b>Molecular Weight</b>	102.1538		<b>Evaluation</b>	A	
Wiswesser Line Notation T5MYSV EHJ BUM			T(glass)=249 K.		
<b>Evaluation</b>	B				
$C_3H_4O_2$ (liq)		83KAR/ABD2	$C_3H_4O_3$ (liq)		58I
Acrylic acid			Ethylene carbonate		
<b>Heat Capacity</b>	300 K,	$C_p=145.70 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	323.15 K,	$C_p=133.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 290 to 344 K. $C_p$ given as $2021.8 \text{ J} \cdot \text{kg}^{-1} \cdot \text{K}^{-1}$ .			One temperature.		
<b>Molecular Weight</b>	72.0634		<b>Molecular Weight</b>	88.0628	
Wiswesser Line Notation QV1U1			Wiswesser Line Notation	T5OVOTJ	
<b>Evaluation</b>	B		<b>Evaluation</b>	C	
$C_3H_4O_2$ (liq)		85KAR/ABD2	$C_3H_4O_3$ (c)		73VAS/K
Acrylic acid			Ethylene carbonate		
<b>Phase Changes</b>			<b>Heat Capacity</b>	298.15 K,	$C_p=117.44 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c/liq	285.7 K,	$\Delta H=9509.7 \text{ J} \cdot \text{mol}^{-1}$	Temperature range 52 to 310 K. Full data deposited in VINITI, 326-73, 21 June 1973.		
		$\Delta S=33.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Entropy</b>	298.15 K,	$S=132.54 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	72.0634		Extrapolation below 52 K.		
Wiswesser Line Notation QV1U1			<b>Phase Changes</b>		
<b>Evaluation</b>	A		c/liq	309.49 K,	$\Delta H=13295 \text{ J} \cdot \text{mol}^{-1}$
					$\Delta S=42.96 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
$C_3H_4O_2$ (liq)		85KAR/SAI	<b>Molecular Weight</b>	88.0628	
Acrylic acid			Wiswesser Line Notation	T5OVOTJ	
<b>Heat Capacity</b>	298.15 K,	$C_p=144.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Evaluation</b>	B	
Temperature range 90 to 350 K. $C_p(c)=313.44+3.99T \text{ J/kg} \cdot \text{K}$ (103 to 252 K); $C_p(\text{liq})=695.42+4.38T \text{ J/kg} \cdot \text{K}$ (285.7 to 350 K). $C_p$ data calculated from equation.					
<b>Phase Changes</b>					
c/liq	285.7 K				
<b>Molecular Weight</b>	72.0634				
Wiswesser Line Notation QV1U1					
<b>Evaluation</b>	B				

<b>C<sub>3</sub>H<sub>4</sub>O<sub>3</sub></b> (c)	74VAS/KOR	<b>C<sub>3</sub>H<sub>5</sub>Cl</b> (liq)	1881REI
Ethylene carbonate		3-Chloropropene-1	
<b>Heat Capacity</b> 298.15 K,	$C_p = 117.44 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298 K,	$C_p = 125.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 52 to 340 K.	$C_p(\text{liq}) = 88.977 + 0.1586T \text{ J/mol} \cdot \text{K}$	Temperature range 289 to 334 K.	
(309 to 340 K).		<b>Molecular Weight</b> 76.5255	
<b>Entropy</b> 298.15 K,	$S = 132.54 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Wiswesser Line Notation</b> G2U1	
<b>Phase Changes</b>		<b>Evaluation</b> D	
c/liq	309.49 K,		
	$\Delta H = 13295 \text{ J} \cdot \text{mol}^{-1}$		
	$\Delta S = 42.96 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
<b>Molecular Weight</b> 88.0628			
<b>Wiswesser Line Notation</b> T5OVOTJ			
<b>Evaluation</b> B			
<b>C<sub>3</sub>D<sub>4</sub>O<sub>4</sub></b> (c,II)	91FUK/MAT	<b>C<sub>3</sub>H<sub>5</sub>ClO</b> (liq)	1881REI
Malonic acid-d <sub>4</sub>		Propionyl chloride; Propionyl chloride	
<b>Heat Capacity</b> 298.15 K,	$C_p = 139.93 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298 K,	$C_p = 147.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 10 to 370 K.		Temperature range 291 to 365 K.	
<b>Entropy</b> 298.15 K,	$S = 157.14 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b> 92.5249	
<b>Phase Changes</b>		<b>Wiswesser Line Notation</b> GV2	
c,III/c,II	60.0 K,	<b>Evaluation</b> D	
	$\Delta H = 23.86 \text{ J} \cdot \text{mol}^{-1}$		
	$\Delta S = 0.411 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
c,II/c,I	348.0 K,		
	$\Delta H = 1810 \text{ J} \cdot \text{mol}^{-1}$		
	$\Delta S = 5.201 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
<b>Molecular Weight</b> 108.0938			
<b>Wiswesser Line Notation</b> QV1VQ &1/H-2 &3/H-2 2 &5/H-2			
<b>Evaluation</b> A			
<b>C<sub>3</sub>H<sub>4</sub>O<sub>4</sub></b> (c)	88PET/TSY	<b>C<sub>3</sub>H<sub>5</sub>Cl<sub>3</sub></b> (liq)	41NEL/NEW
Malonic acid		1,2,3-Trichloropropane	
<b>Phase Changes</b>		<b>Heat Capacity</b> 298 K,	$C_p = 183.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c,II/c,I	351.2 K,	Temperature range 0 to 60 °C. Equation only.	
	$\Delta H = 1600 \text{ J} \cdot \text{mol}^{-1}$	<b>Molecular Weight</b> 147.4315	
	$\Delta S = 4.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Wiswesser Line Notation</b> G1YG1G	
<b>Molecular Weight</b> 104.0622		<b>Evaluation</b> B	
<b>Wiswesser Line Notation</b> QV1VQ			
<b>Evaluation</b> A			
<b>C<sub>3</sub>H<sub>4</sub>O<sub>4</sub></b> (c,II)	91FUK/MAT	<b>C<sub>3</sub>H<sub>5</sub>Cl<sub>3</sub></b> (liq)	48KUR
Malonic acid		1,2,3-Trichloropropane	
<b>Heat Capacity</b> 298.15 K,	$C_p = 127.63 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298 K,	$C_p = 172.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 10 to 370 K.		Temperature range 17 to 155 °C, mean $C_p$ , three temperatures.	
<b>Entropy</b> 298.15 K,	$S = 149.00 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b> 147.4315	
<b>Phase Changes</b>		<b>Wiswesser Line Notation</b> G1YG1G	
c,III/c,II	47.3 K,	<b>Evaluation</b> D	
	$\Delta H = 14.80 \text{ J} \cdot \text{mol}^{-1}$		
	$\Delta S = 0.313 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
c,II/c,I	352.2 K,		
	$\Delta H = 1837 \text{ J} \cdot \text{mol}^{-1}$		
	$\Delta S = 5.217 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
<b>Molecular Weight</b> 104.0622			
<b>Wiswesser Line Notation</b> QV1VQ			
<b>Evaluation</b> A			
<b>C<sub>3</sub>H<sub>5</sub>D<sub>3</sub>O<sub>3</sub></b> (liq)	62RAB/NIK	<b>C<sub>3</sub>H<sub>5</sub>CsO<sub>2</sub></b> (c)	75FER/SAN
1,2,3-Trihydroxypropane-d <sub>3</sub> ; 1,2,3-Propanetriol-d <sub>3</sub> ; Glycerol-d <sub>3</sub>		Cesium propionate	
<b>Heat Capacity</b> 298 K,	$C_p = 231.00 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Phase Changes</b>	
Temperature range 10 to 55 °C.		c,III/c,II	314 K,
			$\Delta H = 1340 \text{ J} \cdot \text{mol}^{-1}$
<b>Molecular Weight</b> 95.1130		c,II/c,I	$\Delta S = 4.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b> Q1YQ1Q &1/4/6/H-2 3		c,I/liq	$\Delta H = 1925 \text{ J} \cdot \text{mol}^{-1}$
<b>Evaluation</b> B			$\Delta S = 4.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
			$\Delta H = 11715 \text{ J} \cdot \text{mol}^{-1}$
			$\Delta S = 20.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b> 104.0622		<b>Molecular Weight</b> 205.9767	
<b>Wiswesser Line Notation</b> QV1VQ		<b>Wiswesser Line Notation</b> OV2 .CS	
<b>Evaluation</b> A		<b>Evaluation</b> C	
<b>C<sub>3</sub>H<sub>5</sub>Br<sub>3</sub></b> (liq)	48KUR	<b>C<sub>3</sub>H<sub>5</sub>KO<sub>2</sub></b> (c)	75FER/SAN
1,2,3-Tribromopropane		Potassium propionate	
<b>Heat Capacity</b> 298 K,	$C_p = 166.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Phase Changes</b>	
Temperature range 17 to 218 °C. mean $C_p$ , six temperatures.		c,III/c,II	258 K,
			$\Delta H = 330 \text{ J} \cdot \text{mol}^{-1}$
<b>Molecular Weight</b> 280.7845		c,II/c,I	$\Delta S = 1.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b> E1YE1E		c,I/liq	$\Delta H = 1715 \text{ J} \cdot \text{mol}^{-1}$
<b>Evaluation</b> D			$\Delta S = 4.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
			$\Delta H = 20125 \text{ J} \cdot \text{mol}^{-1}$
			$\Delta S = 31.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b> 112.1696			
<b>Wiswesser Line Notation</b> OV2 .KA			
<b>Evaluation</b> C			

<b>C<sub>3</sub>H<sub>5</sub>KO<sub>2</sub></b> (c)				62WEB/
Potassium propionate				
<b>Heat Capacity</b>	298.15 K, Temperature range 10 to 340 K.	$C_p = 129.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
<b>Entropy</b>	298.15 K,	$S = 142.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
<b>Phase Changes</b>				
c,II/c,II	255 K,	$\Delta H = 515 \text{ J} \cdot \text{mol}^{-1}$	c,II/c,I	$\Delta H = 1706.7 \text{ J} \cdot \text{mol}^{-1}$
c,II/c,I	372.5 K	$\Delta S = 2.02 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	c,I/liq	$\Delta S = 9.64 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c,I/liq	638.3 K		liq/g	$\Delta H = 5030.0 \text{ J} \cdot \text{mol}^{-1}$
<b>Molecular Weight</b>	112.1696			$\Delta S = 27.89 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b>	OV2 .KA			$\Delta H = 36116 \text{ J} \cdot \text{mol}^{-1}$
<b>Evaluation</b>	A			$\Delta S = 121.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
				$P = 6.29 \text{ kPa}$
<b>C<sub>3</sub>H<sub>5</sub>LiO<sub>2</sub></b> (c)		75FER/SAN		
Lithium propionate				
<b>Phase Changes</b>				
c,II/c,I	533 K,	$\Delta H = 3350 \text{ J} \cdot \text{mol}^{-1}$	<b>C<sub>3</sub>H<sub>5</sub>N</b> (liq)	71HAL/E
		$\Delta S = 6.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Propionitrile; Ethyl cyanide; Cyanoethane	
c,I/liq	606.5 K,	$\Delta H = 15860 \text{ J} \cdot \text{mol}^{-1}$	<b>Heat Capacity</b>	$C_p = 112.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
		$\Delta S = 26.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	One temperature.	
	Also metastable fusion at 584.6 K, $\Delta H = 17824 \text{ J} \cdot \text{mol}^{-1}$ .		<b>Molecular Weight</b>	55.0792
<b>Molecular Weight</b>	80.0123		<b>Wiswesser Line Notation</b>	NC2
<b>Wiswesser Line Notation</b>	OV2 .LI		<b>Evaluation</b>	C
<b>Evaluation</b>	C			
<b>C<sub>3</sub>H<sub>5</sub>LiO<sub>2</sub></b> (c)		84FRA/WES		85GUS/1
Lithium propionate				
<b>Heat Capacity</b>	298.15 K, Temperature range 10 to 600 K.	$C_p = 143.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>C<sub>3</sub>H<sub>5</sub>N</b> (liq)	
<b>Entropy</b>	298.15 K,	$S = 175.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Propionitrile; Ethyl cyanide; Cyanoethane	
<b>Phase Changes</b>			<b>Heat Capacity</b>	$C_p = 106.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c,II/c,I	514 K		Temperature range 303 to 363 K. $p=0.1 \text{ MPa}$ . Unsmoothed experime datum given as 1.9250 kJ/kg · K.	
c,I/liq	606.8 K		<b>Molecular Weight</b>	55.0792
<b>Molecular Weight</b>	80.0123		<b>Wiswesser Line Notation</b>	NC2
<b>Wiswesser Line Notation</b>	OV2 .LI		<b>Evaluation</b>	B
<b>Evaluation</b>	A			
<b>C<sub>3</sub>H<sub>5</sub>LiO<sub>2</sub></b> (c)		85FRA/WES		87MIR/5
Lithium propionate				
<b>Heat Capacity</b>	298.15 K, Temperature range 5 to 350 K.	$C_p = 130.29 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>C<sub>3</sub>H<sub>5</sub>N</b> (liq)	
<b>Entropy</b>	298.15 K,	$S = 143.17 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Propionitrile; Ethyl cyanide; Cyanoethane	
<b>Molecular Weight</b>	80.0123		<b>Heat Capacity</b>	$C_p = 105.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b>	OV2 .LI		Temperature range 193 to 353 K. Unsmoothed experimental da given as 1.845 kJ/kg · K at 293 K. $C_p(\text{liq}) = 1.9082 + 0.0027614$ $+ 9.3056 \times 10^{-6} T^2 / K^2 \text{ kJ/kg · K}$ (193 to 353 K). Note, second t should be negative.	
<b>Evaluation</b>	A		<b>Molecular Weight</b>	55.0792
			<b>Wiswesser Line Notation</b>	NC2
			<b>Evaluation</b>	D
<b>C<sub>3</sub>H<sub>5</sub>N</b> (liq)		07WAL		89STE/C
Propionitrile; Ethyl cyanide; Cyanoethane				
<b>Heat Capacity</b>	290 K, One temperature.	$C_p = 117 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>C<sub>3</sub>H<sub>5</sub>NO</b> (c)	
			Acrylamide	
			<b>Heat Capacity</b>	$C_p = 110.58 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
			Temperature range 305 to 415 K. $C_{\text{sat}}/R(c) = 0.0653T - 6.17$ (30 345 K); $C_{\text{sat}}/R(\text{liq}) = 0.02546T + 13.26$ (365 to 415 K). Polymeriz: began at 415 K.	
<b>Molecular Weight</b>	55.0792		<b>Phase Changes</b>	
<b>Wiswesser Line Notation</b>	NC2		c/liq	$358 \text{ K}, \Delta H = 15330 \text{ J} \cdot \text{mol}^{-1}$
<b>Evaluation</b>	D		<b>Molecular Weight</b>	71.0786
			<b>Wiswesser Line Notation</b>	ZV1U1
			<b>Evaluation</b>	B
<b>(C<sub>3</sub>H<sub>5</sub>NO)<sub>n</sub></b> (c)				75DAU/
Poly-L-alanine, $\alpha$ -helix				
<b>Heat Capacity</b>				
	Temperature range 1 to 300 K. $C_p$ data given graphically.			
<b>Entropy</b>	273 K,			
		$S = 101.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
<b>Molecular Weight</b>	71.0786			
<b>Wiswesser Line Notation</b>	/*VYM*&1/-L			
<b>Evaluation</b>	B			

$(C_3H_5NO)_n$ (c)		75DAU/DEL	$C_3H_5NaO_2$ (c,III)		75FER/SAN	
Poly-L-alanine, $\beta$ -sheet			Sodium propanoate			
<b>Heat Capacity</b>			<b>Heat Capacity</b>	340 K,	$C_p = 150.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 1 to 300 K. $C_p$ data given graphically.			Temperature range 340 to 570 K.			
<b>Entropy</b>	273 K,	$S = 116.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Phase Changes</b>			
<b>Molecular Weight</b>	71.0786		c,III/c,I	482 K,	$\Delta H = 7360 \text{ J} \cdot \text{mol}^{-1}$	
<b>Wiswesser Line Notation</b>	/*VYM*&1/-L				$\Delta S = 15.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Evaluation</b>	B				Taken as sum of data for transitions at 470 and 494 K at average temperature.	
			c,I/liq	562.4 K,	$\Delta H = 13390 \text{ J} \cdot \text{mol}^{-1}$	
					$\Delta S = 23.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
$(C_3H_5NO)_n$ (c)		91ROL	<b>Molecular Weight</b>	96.0611		
Poly-L-alanine			<b>Wiswesser Line Notation</b>	OV2 .NA		
<b>Heat Capacity</b>	300 K,	$C_p = 93.47 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Evaluation</b>	B		
Temperature range 220 to 390 K.						
<b>Molecular Weight</b>	71.0786					
<b>Wiswesser Line Notation</b>	/*VYM*&1/-L					
<b>Evaluation</b>	B					
$(C_3H_5NO)_n$ (c)		91ROL/WUN	$C_3H_5NaO_2$ (c)		83FRA/WES	
Poly-L-alanine			Sodium propanoate			
<b>Heat Capacity</b>	300 K,	$C_p = 93.47 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p = 134.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 230 to 390 K.			Temperature range 9 to 580 K.			
<b>Molecular Weight</b>	71.0786		<b>Entropy</b>	298.15 K,	$S = 152.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Wiswesser Line Notation</b>	/*VYM*&1/-L		<b>Phase Changes</b>			
<b>Evaluation</b>	B		c,III/c,II	467.00 K,	$\Delta H = 3209 \text{ J} \cdot \text{mol}^{-1}$	
					$\Delta S = 6.87 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
			c,II/c,I	491.00 K,	$\Delta H = 4357 \text{ J} \cdot \text{mol}^{-1}$	
					$\Delta S = 8.87 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
			c,I/liq	561.91 K,	$\Delta H = 13280.0 \text{ J} \cdot \text{mol}^{-1}$	
					$\Delta S = 23.63 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
			<b>Molecular Weight</b>	96.0611		
			<b>Wiswesser Line Notation</b>	OV2 .NA		
			<b>Evaluation</b>	A		
$(C_3H_5NO_2)_n$ (c)		91ROL	$C_3H_5O_2Rb$ (c)		75FER/SAN	
Poly-L-serine			Rubidium propionate			
<b>Heat Capacity</b>	300 K,	$C_p = 112.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Phase Changes</b>			
Temperature range 220 to 390 K.			c,III/c,II	317 K,	$\Delta H = 1510 \text{ J} \cdot \text{mol}^{-1}$	
<b>Molecular Weight</b>	87.0780				$\Delta S = 4.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Wiswesser Line Notation</b>	/*VYM*&1Q/-L		c,II/c,I	564.3 K,	$\Delta H = 2970 \text{ J} \cdot \text{mol}^{-1}$	
<b>Evaluation</b>	B				$\Delta S = 5.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
			c,I/liq	623.1 K,	$\Delta H = 14560 \text{ J} \cdot \text{mol}^{-1}$	
					$\Delta S = 23.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
			<b>Molecular Weight</b>	158.5391		
			<b>Wiswesser Line Notation</b>	OV2 .RB		
			<b>Evaluation</b>	C		
$(C_3H_5NO_2)_n$ (c)		93ROL/XEN	$C_3H_5O_2Tl$ (c)		76MEI/SEY	
Poly-L-serine			Thallium propionate			
<b>Heat Capacity</b>	300 K,	$C_p = 112.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Phase Changes</b>			
Temperature range 220 to 390 K.			c,II/c,I	365 K,	$\Delta H = 377 \text{ J} \cdot \text{mol}^{-1}$	
<b>Molecular Weight</b>	87.0780				$\Delta S = 1.05 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Wiswesser Line Notation</b>	/*VYM*&1Q/-L		c,I/liq	468 K,	$\Delta H = 9205 \text{ J} \cdot \text{mol}^{-1}$	
<b>Evaluation</b>	B				$\Delta S = 20.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
					Solid-mesophase.	
					<b>Molecular Weight</b>	277.4413
					<b>Wiswesser Line Notation</b>	OV2 .TL
					<b>Evaluation</b>	B
$C_3H_5NO_4$ (liq)		81LEB/RYA	$C_3H_5O_2Tl$ (c)		84FER/LOP	
Methyl ester of nitroacetic acid; Methyl nitroacetate			Thallium propionate			
<b>Heat Capacity</b>		$C_p = 205.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	320 K,	$C_p = 158 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 298 to 343 K. Data given over temperature range.			Temperature range 320 to 480 K.			
<b>Molecular Weight</b>	119.0768		<b>Phase Changes</b>			
<b>Wiswesser Line Notation</b>	WN1VO1		c,II/c,I	364.8 K,	$\Delta H = 316 \text{ J} \cdot \text{mol}^{-1}$	
<b>Evaluation</b>	D				$\Delta S = 0.83 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
			c,I/liq	468.0 K,	$\Delta H = 10476 \text{ J} \cdot \text{mol}^{-1}$	
					$\Delta S = 22.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
			<b>Molecular Weight</b>	277.4413		
			<b>Wiswesser Line Notation</b>	OV2 .TL		
			<b>Evaluation</b>	A		
$C_3H_5NS$ (liq)		36KUR/VOS				
Ethyl isothiocyanate						
<b>Heat Capacity</b>	290 K,	$C_p = 106.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$				
One temperature.						
<b>Molecular Weight</b>	87.1392					
<b>Wiswesser Line Notation</b>	SCN2					
<b>Evaluation</b>	D					

<b>C<sub>3</sub>H<sub>6</sub></b> (liq)		31HUF/PAR	<b>C<sub>3</sub>H<sub>6</sub></b> (liq)		46RUE/
Propylene; Propene			Cyclopropane		
<b>Heat Capacity</b>	210.3 K,	$C_p = 90.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	240 K,	$C_p = 81.34 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range	69 to 210 K.	Value is unsmoothed experimental datum.	Temperature range	14 to 240 K.	
<b>Phase Changes</b>			<b>Entropy</b>	240.34 K,	$S = 142.63 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c/liq	88.2 K,	$\Delta H = 2933 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 33.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	c/liq	145.57 K,	$\Delta H = 5443 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 37.39 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	42.0804		liq/g	240.34 K,	$\Delta H = 20054 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 83.44 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b>	2U1				$P = 101.325 \text{ kPa}$
<b>Evaluation</b>	B				
<b>C<sub>3</sub>H<sub>6</sub></b> (liq)		39POW/GIA	<b>C<sub>3</sub>H<sub>6</sub></b> (liq)		62DAI/F
Propylene; Propene			(C <sub>3</sub> H <sub>6</sub> ) <sub>n</sub> (gls)		
<b>Heat Capacity</b>	230 K,	$C_p = 92.09 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Polypropylene, atactic		
Temperature range	14 to 225 K.		<b>Heat Capacity</b>	298.15 K,	$C_p = 89.59 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Phase Changes</b>			Temperature range	20 to 310 K.	
c/liq	87.85 K,	$\Delta H = 3002 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 34.18 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Entropy</b>	298.15 K,	$S = 78.99 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
liq/g	225.35 K,	$\Delta H = 18418 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 81.73 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	When extrapolated to 100% crystallinity, the entropy is 62.7 $\text{mol}^{-1} \cdot \text{K}^{-1}$ .		
<b>Molecular Weight</b>	42.0804		<b>Phase Changes</b>		
<b>Wiswesser Line Notation</b>	2U1		c,l/gls	249 K	
<b>Evaluation</b>	B		<b>Molecular Weight</b>	42.0804	
			<b>Wiswesser Line Notation</b>	/*Y1&1*/	
			<b>Evaluation</b>	A	
<b>C<sub>3</sub>H<sub>6</sub></b> (liq)		50AUE/SAG	<b>(C<sub>3</sub>H<sub>6</sub>)<sub>n</sub></b> (gls)		62WIL/
Propylene; Propene			Polypropylene, atactic		
<b>Heat Capacity</b>	300 K,	$C_p = 98.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p = 98.90 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range	300 to 344 K.	Datum at 80 °C is $C_p$ at the bubble point, 0.5615 Btu(lb) <sup>-1</sup> (°R) <sup>-1</sup> .	Temperature range	217 to 477 K.	$C_p = 0.510 + 0.00207t$ (–30 °C) cal·g <sup>-1</sup> ·deg <sup>-1</sup> . $C_p$ value calculated from equation.
<b>Molecular Weight</b>	42.0804		<b>Phase Changes</b>		
<b>Wiswesser Line Notation</b>	2U1		343 K,	$\Delta H = 373 \text{ J} \cdot \text{mol}^{-1}$	
<b>Evaluation</b>	A		Annealed sample.		
			428 K,	$\Delta H = 61 \text{ J} \cdot \text{mol}^{-1}$	
			Annealed sample.		
<b>C<sub>3</sub>H<sub>6</sub></b> (liq)		83CHA/HAL	<b>Molecular Weight</b>	42.0804	
Propylene; Propene			<b>Wiswesser Line Notation</b>	/*Y1&1*/	
<b>Heat Capacity</b>	298.15 K,	$C_p = 102 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Evaluation</b>	A	
Temperature range	14 to 340 K.		T(glass)= –12 °C. The transition at 343 K is attributed to melt heterotactic sequences. The transition at 428 K is attributed to isotactic or syndiotactic content.		
<b>Entropy</b>	298.15 K,	$S = 195.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
<b>Phase Changes</b>			<b>(C<sub>3</sub>H<sub>6</sub>)<sub>n</sub></b> (gls)		63PAS/F
c/liq	87.85 K,	$\Delta H = 3003 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 34.18 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Polypropylene, atactic		
<b>Molecular Weight</b>	42.0804		<b>Heat Capacity</b>	298.1 K,	$C_p = 88.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b>	2U1		Temperature range	87 to 484 K.	Unsmoothed experimental datum
<b>Evaluation</b>	A		<b>Phase Changes</b>		
		A reevaluation of the original measured data from: 31HUF/PAR, 39POW/GIA, 50AUE/SAG.	c/gls	259 K	
<b>C<sub>3</sub>H<sub>6</sub></b> (gls)		90TAK/OGU	<b>Molecular Weight</b>	42.0804	
Propylene; Propene			<b>Wiswesser Line Notation</b>	/*Y1&1*/	
<b>Phase Changes</b>			<b>Evaluation</b>	B	
c/gls	56.0 K		2 to 3% crystallinity.		
<b>Molecular Weight</b>	42.0804				
<b>Wiswesser Line Notation</b>	2U1				
<b>Evaluation</b>	A				
<b>(C<sub>3</sub>H<sub>6</sub>)<sub>n</sub></b> (gls)		62DAI/			
Polypropylene, isotactic					
<b>Heat Capacity</b>	298.15 K,	$C_p = 77.18 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
Temperature range	20 to 310 K.				
<b>Entropy</b>	298.15 K,	$S = 72.05 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
When extrapolated to 100% crystallinity, the entropy is 61. $\text{mol}^{-1} \cdot \text{K}^{-1}$ .					
<b>Phase Changes</b>					
c,l/gls	260 K				
<b>Molecular Weight</b>	42.0804				
<b>Wiswesser Line Notation</b>	/*Y1&1*/				
<b>Evaluation</b>	A				

$(C_3H_6)_n$ (gls)		62WIL/DOL	$C_3H_6Br_2$ (c)		50CRO/SMY
Polypropylene, isotactic			1,3-Dibromopropane		
<b>Heat Capacity</b> 298.15 K,	$C_p = 75.25 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 245.7 K,	$C_p = 156.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 253 to 484 K.	$C_p = 0.3669 + 0.00242t$ (below 100 °C) cal·g <sup>-1</sup> ·deg <sup>-1</sup> . $C_p$ value calculated from equation.		Temperature range 117 to 246 K. Value is unsmoothed experimental datum.		
<b>Phase Changes</b>			<b>Phase Changes</b>		
c/liq 449 K,	$\Delta H = 6162 \text{ J} \cdot \text{mol}^{-1}$		c/liq 238.6 K,	$\Delta H = 14640 \text{ J} \cdot \text{mol}^{-1}$	
Corrected to 100% crystallinity.				$\Delta S = 61.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Molecular Weight</b> 42.0804			<b>Molecular Weight</b> 201.8884		
<b>Wiswesser Line Notation</b> /*Y1&I*/			<b>Wiswesser Line Notation</b> E3E		
<b>Evaluation</b> A			<b>Evaluation</b> C		
$(C_3H_6)_n$ (gls)		63PAS/KEV2	$C_3H_6Br_2$ (liq)		92SVO/KUB2
Polypropylene, isotactic			1,3-Dibromopropane		
<b>Heat Capacity</b> 299.8 K,	$C_p = 72.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Phase Changes</b>		
Temperature range 85 to 500 K. Unsmoothed experimental datum.			liq/g 439.4 K,	$\Delta H = 47890 \text{ J} \cdot \text{mol}^{-1}$	
<b>Phase Changes</b>			<b>Molecular Weight</b> 201.8884		
c/gls 267 K,	$\Delta H = 7923 \text{ J} \cdot \text{mol}^{-1}$		<b>Wiswesser Line Notation</b> E3E		
<b>Molecular Weight</b> 42.0804			<b>Evaluation</b> A		
<b>Wiswesser Line Notation</b> /*Y1&I*/					
<b>Evaluation</b> B					
64.9% crystallinity.					
$(C_3H_6)_n$ (c)		68GEE/MEL	$C_3H_6Br_2$ (liq)		93SHE
Polypropylene, syndiotactic			1,3-Dibromopropane		
<b>Heat Capacity</b> 298.15 K,	$C_p = 69.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K,	$C_p = 163.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 180 to 460 K. Values per $C_3H_6$ unit.			One temperature.		
<b>Entropy</b> 298.15 K,	$S = 75.66 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Molecular Weight</b> 201.8884		
Extrapolation below 180 K, 47.0 $\text{J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ . Values per $C_3H_6$ unit.			<b>Wiswesser Line Notation</b> E3E		
<b>Molecular Weight</b> 42.0804			<b>Evaluation</b> B		
<b>Wiswesser Line Notation</b> /*Y1&I*/					
<b>Evaluation</b> B( $C_p$ ),C(S)					
Glassy transition at 270 K. Results corrected to 100% crystalline from 75%.					
$(C_3H_6)_n$ (c)		84GRE/LAU	$C_3H_6Br_2$ (liq)		48KUR
Polypropylene, isotactic, crystalline			1,2-Dibromopropane		
<b>Heat Capacity</b> 298.15 K,	$C_p = 68.99 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298 K,	$C_p = 172.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 0 to 500 K.			Temperature range 10 to 133 °C, mean $C_p$ three temperatures.		
<b>Entropy</b> 298.15 K,	$S = 69.92 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Molecular Weight</b> 201.8884		
<b>Molecular Weight</b> 42.0804			<b>Wiswesser Line Notation</b> EY1&1E		
<b>Wiswesser Line Notation</b> /*Y1&I*/			<b>Evaluation</b> D		
<b>Evaluation</b> A					
Glassy transitions range from 260 to 380 K for 51% crystallinity. T(glass) at 260, 272, and 325 K.					
$(C_3H_6)_n$ (gls)		84GRE/LAU	$C_3H_6ClNO_2$ (liq)		50CRO/SMY
Polypropylene, isotactic, amorphous			2-Chloro-2-nitropropane		
<b>Heat Capacity</b> 298.15 K,	$C_p = 88.07 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Phase Changes</b>		
Temperature range 0 to 500 K.			c,II/c,I -213.8 K,	$\Delta H = 9540 \text{ J} \cdot \text{mol}^{-1}$	
<b>Entropy</b> 298.15 K,	$S = 80.79 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			$\Delta S = 44.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Molecular Weight</b> 42.0804			c,I/liq 251.6 K,	$\Delta H = 1340 \text{ J} \cdot \text{mol}^{-1}$	
<b>Wiswesser Line Notation</b> /*Y1&I*/				$\Delta S = 5.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Evaluation</b> A					
Conformationally disordered crystal to monoclinic crystal at 380 K, $\Delta H = 600 \text{ J} \cdot \text{mol}^{-1}$ (38% crystallinity).			<b>Molecular Weight</b> 123.5389		
$C_3H_6Br_2$ (liq)		48KUR	<b>Wiswesser Line Notation</b> WNXG1&1		
1,3-Dibromopropane			<b>Evaluation</b> C		
<b>Heat Capacity</b> 298 K,	$C_p = 159.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$				
Temperature range 16 to 160 °C, mean $C_p$ three temperatures.					
<b>Molecular Weight</b> 201.8884					
<b>Wiswesser Line Notation</b> E3E					
<b>Evaluation</b> D					
$C_3H_6Cl_2$ (liq)			$C_3H_6Cl_2$ (liq)		72MIL
2,2-Dichloropropane			2,2-Dichloropropane		
<b>Heat Capacity</b> 270 K,	$C_p = 151.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 270 K,	$C_p = 151.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 137 to 267 K.					
<b>Phase Changes</b>			<b>Phase Changes</b>		
c,II/c,I 188 K,	$\Delta H = 5979 \text{ J} \cdot \text{mol}^{-1}$		c,II/c,I 188 K,	$\Delta H = 5979 \text{ J} \cdot \text{mol}^{-1}$	
	$\Delta S = 31.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$				
Temperature not certain; give explicitly as 184.8 K and in table as 188 K.					
c,I/liq 239.25 K,	$\Delta H = 2341 \text{ J} \cdot \text{mol}^{-1}$				
	$\Delta S = 9.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$				
<b>Molecular Weight</b> 112.9864					
<b>Wiswesser Line Notation</b> GXG1&1					
<b>Evaluation</b> B					

$C_3H_6Cl_2$ (liq)		93HAL	$C_3H_6N_2O_4$ (c,I)	58BIL/N
1,3-Dichloropropane			2,2-Dinitropropane	
<b>Heat Capacity</b>	298.15 K, One temperature.	$C_p=157.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298 K, From PVT data -5 to 25 °C. Mean value.
<b>Molecular Weight</b>	112.9864		<b>Phase Changes</b>	
<b>Wiswesser Line Notation</b>	G3G		c,II/c,I	268 K, $\Delta H=12220 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S=45.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Evaluation</b>	B			Calculated from Clausius-Clapeyron equation, from $dp/dT$ and den measurements.
$C_3H_6Cl_2$ (liq)		48KUR	<b>Molecular Weight</b>	134.0914
1,2-Dichloropropane; Propylene dichloride			<b>Wiswesser Line Notation</b>	WNX1&1&NW
<b>Heat Capacity</b>	298 K, Temperature range 11 to 156 °C, mean $C_p$ three temperatures.	$C_p=154.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Evaluation</b>	C
<b>Molecular Weight</b>	112.9864			
<b>Wiswesser Line Notation</b>	GY1&1G			
<b>Evaluation</b>	D			
Data may be poor. Highest reported temperature too far above listed boiling point.				
$C_3H_6Cl_2Si$ (liq)		71GEI/DZH	$C_3H_6N_2O_4$ (c,I)	78GOD/R
Dichloromethylvinylsilane			2,2-Dinitropropane	
<b>Heat Capacity</b>	298.15 K, Temperature range 12 to 300 K. Deposited in VINITI, No 2722-71, 25 March 1971.	$C_p=177.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	300 K, Temperature range 100 to 347 K. Data graphically only, v. estimated.
<b>Entropy</b>	298.15 K,	$S=381.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Phase Changes</b>	
<b>Molecular Weight</b>	141.0719		c,III/c,II	259.7 K, $\Delta H=1870 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S=7.20 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b>	G-SI-G1&1U1		c,II/c,I	267.7 K, $\Delta H=11275 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S=42.12 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Evaluation</b>	A		c,I/liq	324.5 K, $\Delta H=2635 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S=8.12 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
				<b>Molecular Weight</b> 134.0914
				<b>Wiswesser Line Notation</b> WNX1&1&NW
				<b>Evaluation</b> D( $C_p$ ), B(Phase changes)
$C_3H_6F_4N_2$ (liq)		70REE/SEE	$C_3H_6N_4O_4$ (c)	71F
1,2-Bis(difluoramo)propane			1,3-Dinitro-1,3-diazacyclopentane	
<b>Heat Capacity</b>	298.15 K, One temperature.	$C_p=213 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Phase Changes</b>	
<b>Molecular Weight</b>	146.0874		c/liq	403 K, $\Delta H=25104 \text{ J} \cdot \text{mol}^{-1}$
<b>Wiswesser Line Notation</b>	FNFY1&1NFF		<b>Molecular Weight</b>	162.1048
<b>Evaluation</b>	B		<b>Wiswesser Line Notation</b>	T5N CNTJ ANW CNW
			<b>Evaluation</b>	C
$C_3H_6I_2$ (liq)		93SHE	$C_3H_6N_6$ (c)	52STE/I
1,3-Diiodopropane			McLaminc	
<b>Heat Capacity</b>	298.15 K, One temperature.	$C_p=169.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	299.95 K, $C_p=156.11 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	295.8894		Temperature range 15 to 300 K. Value is unsmoothed experim datum.	
<b>Wiswesser Line Notation</b>	I3I		<b>Entropy</b>	298.15 K, $S=149.08 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Evaluation</b>	B		<b>Molecular Weight</b>	126.1206
			<b>Wiswesser Line Notation</b>	T6N CN ENJ BZ DZ FZ
			<b>Evaluation</b>	A
$C_3H_6N_2O_2$ (c)		89IMA/TAK	$C_3H_6N_6O_3$ (c)	71I
Malonamide			1,3,5-Trinitroso-1,3,5-triazacyclohexane	
<b>Heat Capacity</b>	298.15 K, One temperature, estimated.	$C_p=124 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Phase Changes</b>	
<b>Phase Changes</b>			c,II/c,I	367 K, $\Delta H=17782 \text{ J} \cdot \text{mol}^{-1}$
c/g	298.15 K,	$\Delta H=126400 \text{ J} \cdot \text{mol}^{-1}$	c,I/liq	376 K, $\Delta H=3766 \text{ J} \cdot \text{mol}^{-1}$
<b>Molecular Weight</b>	102.0926	$\Delta S=423.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b>	174.1188
<b>Wiswesser Line Notation</b>	ZV1VZ		<b>Wiswesser Line Notation</b>	T6N CN ENTJ ANO CNO ENO
<b>Evaluation</b>	B		<b>Evaluation</b>	C'
$C_3H_6N_2O_2$ (c)		89SAK/IMA	$C_3H_6N_6O_6$ (c)	71
Malonamide			1,3,5-Trinitro-1,3,5-triazacyclohexane; Hexogen; RDX	
<b>Phase Changes</b>			<b>Phase Changes</b>	
c,II/c,I	393 K,	$\Delta H=1900 \text{ J} \cdot \text{mol}^{-1}$	c/liq	478.5 K, $\Delta H=35648 \text{ J} \cdot \text{mol}^{-1}$
c,I/liq	443 K,	$\Delta H=35800 \text{ J} \cdot \text{mol}^{-1}$	<b>Molecular Weight</b>	222.1170
<b>Molecular Weight</b>	102.0926		<b>Wiswesser Line Notation</b>	T6N CN ENTJ ANW CNW ENW
<b>Wiswesser Line Notation</b>	ZV1VZ		<b>Evaluation</b>	C
<b>Evaluation</b>	A			

$C_3H_6N_6O_6$ (c)	73KRI/LIC	$C_3H_6O$ (liq)	25WIL/DAN
1,3,5-Trinitro-1,3,5-triazacyclohexane; Hexogen; RDX		Propanone; Acetone; Dimethyl ketone	
<b>Heat Capacity</b> 298 K, $C_p=248.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 293.2 K, $C_p=125.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 200 to 475 K. Equation only.		Temperature range 20 to 40 °C.	
<b>Molecular Weight</b> 222.1170		<b>Molecular Weight</b> 58.0798	
<b>Wiswesser Line Notation</b> T6N CN ENTJ ANW CNW ENW		<b>Wiswesser Line Notation</b> 1V1	
<b>Evaluation</b> C		<b>Evaluation</b> B	
$C_3H_6N_6O_6$ (c)	92MAK	$C_3H_6O$ (liq)	28PAR/KEL
1,3,5-Trinitro-1,3,5-triazacyclohexane; Hexogen; RDX		Propanone; Acetone; Dimethyl ketone	
<b>Phase Changes</b>		<b>Heat Capacity</b> 298.4 K, $C_p=123.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
c/liq 478.15 K, $\Delta H=37656 \text{ J} \cdot \text{mol}^{-1}$		Temperature range 70 to 289 K. Value is unsmoothed experimental datum.	
<b>Molecular Weight</b> 222.1170		<b>Entropy</b> 298.1 K, $S=220.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Wiswesser Line Notation</b> T6N CN ENTJ ANW CNW ENW		Extrapolation below 70 K, 60.04 $\text{J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .	
<b>Evaluation</b> B		<b>Phase Changes</b>	
$C_3H_6O$ (liq)	1881REI	c/liq 177.6 K, $\Delta H=5690 \text{ J} \cdot \text{mol}^{-1}$	
Propanone; Acetone; Dimethyl ketone		$\Delta S=32.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Heat Capacity</b> 298 K, $C_p=133.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Molecular Weight</b> 58.0798	
Temperature range 289 to 352 K.		<b>Wiswesser Line Notation</b> 1V1	
<b>Molecular Weight</b> 58.0798		<b>Evaluation</b> B( $C_p$ ),C(S)	
<b>Wiswesser Line Notation</b> 1V1			
<b>Evaluation</b> D			
$C_3H_6O$ (liq)	07WAL	$C_3H_6O$ (liq)	29KEL3
Propanone; Acetone; Dimethyl ketone		Propanone; Acetone; Dimethyl ketone	
<b>Heat Capacity</b> 291 K, $C_p=126 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 296.99 K, $C_p=124.68 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
One temperature.		Temperature range 16 to 298 K. Value is unsmoothed experimental datum.	
<b>Molecular Weight</b> 58.0798		<b>Entropy</b> 298.15 K, $S=200.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Wiswesser Line Notation</b> 1V1		<b>Phase Changes</b>	
<b>Evaluation</b> D		Hump in $C_p$ curve at about 126 K, with excess entropy of about 0.5 J $\text{mol}^{-1} \cdot \text{K}^{-1}$ .	
$C_3H_6O$ (liq)	16BRA	c/liq 176.62 K, $\Delta H=5715 \text{ J} \cdot \text{mol}^{-1}$	
Propanone; Acetone; Dimethyl ketone		$\Delta S=32.36 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Heat Capacity</b> 283 K, $C_p=121.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Molecular Weight</b> 58.0798	
Mean value, 0 to 20 °C.		<b>Wiswesser Line Notation</b> 1V1	
<b>Molecular Weight</b> 58.0798		<b>Evaluation</b> A	
<b>Wiswesser Line Notation</b> 1V1			
<b>Evaluation</b> C			
$C_3H_6O$ (c)	25MAA/WAL	$C_3H_6O$ (liq)	29MIT/HAR
Propanone; Acetone; Dimethyl ketone		Propanone; Acetone; Dimethyl ketone	
<b>Heat Capacity</b> 173 K, $C_p=96 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 260 K, $C_p=124.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 93 to 173 K.		Temperature range 200 to 260 K.	
<b>Phase Changes</b>		<b>Molecular Weight</b> 58.0798	
c/liq 178.5 K, $\Delta H=4770 \text{ J} \cdot \text{mol}^{-1}$		<b>Wiswesser Line Notation</b> 1V1	
$\Delta S=26.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Evaluation</b> B	
<b>Molecular Weight</b> 58.0798			
<b>Wiswesser Line Notation</b> 1V1			
<b>Evaluation</b> C			
$C_3H_6O$ (liq)	25PAR/KEL	$C_3H_6O$ (liq)	29PAR/KEL
Propanone; Acetone; Dimethyl ketone		Propanone; Acetone; Dimethyl ketone	
<b>Heat Capacity</b> 289.4 K, $C_p=124.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Entropy</b> 298.1 K, $S=200.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 70 to 290 K. Value is unsmoothed experimental datum.		Extrapolation below 90 K, 54.0 $\text{J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ . Revision of previous data.	
<b>Entropy</b> 298.1 K, $S=217.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Molecular Weight</b> 58.0798	
Extrapolation below 90 K, 71.63 $\text{J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .		<b>Wiswesser Line Notation</b> 1V1	
<b>Phase Changes</b>		<b>Evaluation</b> C	
c/liq 177.6 K, $\Delta H=5690 \text{ J} \cdot \text{mol}^{-1}$			
$\Delta S=32.03 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
<b>Molecular Weight</b> 58.0798			
<b>Wiswesser Line Notation</b> 1V1			
<b>Evaluation</b> B( $C_p$ ),C(S)			
$C_3H_6O$ (liq)	32TRE	$C_3H_6O$ (liq)	
Propanone; Acetone; Dimethyl ketone		Propanone; Acetone; Dimethyl ketone	
<b>Heat Capacity</b> 298 K, $C_p=124.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298 K, $C_p=124.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
One temperature.			
<b>Molecular Weight</b> 58.0798			
<b>Wiswesser Line Notation</b> 1V1			
<b>Evaluation</b> B			

$C_3H_6O$ (liq)		33TRE/WAT	$C_3H_6O$ (liq)		85COS/P
Propanone; Acetone; Dimethyl ketone			Propanone; Acetone; Dimethyl ketone		
<b>Heat Capacity</b> 298 K,		$C_p = 124.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p = 123.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
One temperature.			Temperature range 283.15, 298.15, 313.15 K.		
<b>Molecular Weight</b> 58.0798			<b>Molecular Weight</b> 58.0798		
<b>Wiswesser Line Notation</b> 1V1			<b>Wiswesser Line Notation</b> 1V1		
<b>Evaluation</b> B			<b>Evaluation</b> B		
$C_3H_6O$ (liq)		39PHI	$C_3H_6O$ (liq)		86ALP/
Propanone; Acetone; Dimethyl ketone			Propanone; Acetone; Dimethyl ketone		
<b>Heat Capacity</b> 302.4 K,		$C_p = 128.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p = 126.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
One temperature.			One temperature.		
<b>Molecular Weight</b> 58.0798			<b>Molecular Weight</b> 58.0798		
<b>Wiswesser Line Notation</b> 1V1			<b>Wiswesser Line Notation</b> 1V1		
<b>Evaluation</b> C			<b>Evaluation</b> A		
$C_3H_6O$ (liq)		55STA/TUP	$C_3H_6O$ (liq)		89COS/Y
Propanone; Acetone; Dimethyl ketone			Propanone; Acetone; Dimethyl ketone		
<b>Heat Capacity</b> 298 K,		$C_p = 128.24 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p = 123.80 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 288 to 323 K.			One temperature.		
<b>Molecular Weight</b> 58.0798			<b>Molecular Weight</b> 58.0798		
<b>Wiswesser Line Notation</b> 1V1			<b>Wiswesser Line Notation</b> 1V1		
<b>Evaluation</b> B			<b>Evaluation</b> B		
$C_3H_6O$ (liq)		62LOW/MOE	$C_3H_6O$ (liq)		89PET/
Propanone; Acetone; Dimethyl ketone			Propanone; Acetone; Dimethyl ketone		
<b>Heat Capacity</b> 298.2 K,		$C_p = 125.56 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p = 126.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 253 to 308 K.			Temperature range 258.15, 278.15, 298.15, 318.15 K.		
<b>Molecular Weight</b> 58.0798			<b>Molecular Weight</b> 58.0798		
<b>Wiswesser Line Notation</b> 1V1			<b>Wiswesser Line Notation</b> 1V1		
<b>Evaluation</b> A			<b>Evaluation</b> B		
$C_3H_6O$ (liq)		67RAS/GAN	$C_3H_6O$ (liq)		91MAL/W
Propanone; Acetone; Dimethyl ketone			Propanone; Acetone; Dimethyl ketone		
<b>Heat Capacity</b> 293 K,		$C_p = 126.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p = 125.45 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 293 to 333 K.			Temperature range 278 to 323 K. $C_p(\text{liq}) = 1.337 + 2.7752 \times 10^{-3} C$		
<b>Molecular Weight</b> 58.0798			$\text{kJ} \cdot \text{kg}^{-1} \cdot \text{K}^{-1}$ (278.15 to 323.15 K).		
<b>Wiswesser Line Notation</b> 1V1			<b>Molecular Weight</b> 58.0798		
<b>Evaluation</b> C			<b>Wiswesser Line Notation</b> 1V1		
$C_3H_6O$ (liq)		71DES/BHA	$C_3H_6O$ (liq)		1881
Propanone; Acetone; Dimethyl ketone			2-Propen-1-ol		
<b>Heat Capacity</b> 298 K,		$C_p = 129.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298 K,	$C_p = 138.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 298 to 318 K.			Temperature range 291 to 369 K.		
<b>Molecular Weight</b> 58.0798			<b>Molecular Weight</b> 58.0798		
<b>Wiswesser Line Notation</b> 1V1			<b>Wiswesser Line Notation</b> Q2U1		
<b>Evaluation</b> B			<b>Evaluation</b> D		
$C_3H_6O$ (liq)		79SAL/PFA	$C_3H_6O$ (liq)		64
Propanone; Acetone; Dimethyl ketone			Propylene oxide; 2-Methyloxirane		
<b>Heat Capacity</b> 298.15 K,		$C_p = 125.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p = 120.37 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
One temperature.			Temperature range 11 to 300 K.		
<b>Molecular Weight</b> 58.0798			<b>Entropy</b> 298.15 K,	$S = 196.27 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Wiswesser Line Notation</b> 1V1			<b>Phase Changes</b>		
<b>Evaluation</b> B			c/liq	161.22 K,	$\Delta H = 6532.9 \text{ J} \cdot \text{mol}^{-1}$
$C_3H_6O$ (liq)		85COS/PAT			$\Delta S = 40.52 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Propanone; Acetone; Dimethyl ketone			<b>Molecular Weight</b> 58.0798		
<b>Heat Capacity</b> 298.15 K,		$C_p = 123.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Wiswesser Line Notation</b> T3OTJ B1		
One temperature.			<b>Evaluation</b> A		
<b>Molecular Weight</b> 58.0798					
<b>Wiswesser Line Notation</b> 1V1					
<b>Evaluation</b> B					

<b>C<sub>3</sub>H<sub>6</sub>O</b> (liq)		66BEA/CLE	(C <sub>3</sub> H <sub>6</sub> O) <sub>n</sub> (gls)		70YOS/SAK
Propylene oxide; 2-Methyloxirane			Poly(oxacyclobutane)		
<b>Heat Capacity</b>	298.15 K,	$C_p = 125.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	302.13 K,	$C_p = 125.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 90 to 300 K.			Temperature range 90 to 320 K. $C_p$ at 302.13 K is unsmoothed experimental datum. Data also given graphically. $C_p$ reported as 2.170 $\text{J} \cdot \text{g}^{-1} \cdot \text{K}^{-1}$ at 302.13 K for annealed sample. $C_p$ given for quenched sample from 95 to 205 K.		
<b>Entropy</b>	298.15 K,	$S = 194.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Phase Changes</b>		
Extrapolation below 90 K, 485 $\text{J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .			c/I/gls	195 K	
<b>Phase Changes</b>			c/I/liq	305 K,	$\Delta H = 9439 \text{ J} \cdot \text{mol}^{-1}$
c/liq	161.25 K,	$\Delta H = 6569 \text{ J} \cdot \text{mol}^{-1}$			$\Delta S = 30.96 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
$\Delta S = 40.74 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$					Melting region extended from 200 to 300 K.
<b>Molecular Weight</b>	58.0798		<b>Molecular Weight</b>	58.0798	
<b>Wiswesser Line Notation</b>	T3OTJ B1		<b>Wiswesser Line Notation</b>	/*T4OTJ*/	
<b>Evaluation</b>	A( $C_p$ ), C(S)		<b>Evaluation</b>	B	
<b>C<sub>3</sub>H<sub>6</sub>O</b> (liq)		82TAN/ZHO	<b>C<sub>3</sub>H<sub>6</sub>O</b> (liq)		1881REI
Propylene oxide; 2-Methyloxirane			Propanal; Propaldehyde		
<b>Heat Capacity</b>	300 K,	$C_p = 122.19 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298 K,	$C_p = 134.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 170 to 325 K.			Temperature range 288 to 328 K.		
<b>Molecular Weight</b>	58.0798		<b>Molecular Weight</b>	58.0798	
<b>Wiswesser Line Notation</b>	T3OTJ B1		<b>Wiswesser Line Notation</b>	VH2	
<b>Evaluation</b>	B		<b>Evaluation</b>	D	
<b>C<sub>3</sub>H<sub>6</sub>O·17H<sub>2</sub>O</b> (c)		90YAM/KUR	<b>C<sub>3</sub>H<sub>6</sub>O</b> (liq)		84VAS/PET
Acetone clathrate hydrate			Propanal; Propaldehyde		
<b>Heat Capacity</b>			<b>Heat Capacity</b>	298.15 K,	$C_p = 159.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 11 to 300 K. Data given graphically.			Temperature range 15 to 335 K.		
<b>Phase Changes</b>			<b>Entropy</b>	298.15 K,	$S = 212.90 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c,I/c	46.6 K,	$\Delta H = 129 \text{ J} \cdot \text{mol}^{-1}$	<b>Phase Changes</b>		
		$\Delta S = 2.48 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	c/liq	171.32 K,	$\Delta H = 8590 \text{ J} \cdot \text{mol}^{-1}$
Per mole H <sub>2</sub> O.					$\Delta H = 28320 \text{ J} \cdot \text{mol}^{-1}$
<b>Molecular Weight</b>	363.7977		<b>Molecular Weight</b>	58.0798	
<b>Wiswesser Line Notation</b>	1V1 & QH 17		<b>Wiswesser Line Notation</b>	VH2	
<b>Evaluation</b>	A		<b>Evaluation</b>	A	
KOH-doped.					
<b>C<sub>3</sub>H<sub>6</sub>O·17H<sub>2</sub>O</b> (c)		91KUR/YAM	<b>C<sub>3</sub>H<sub>6</sub>O</b> (liq)		77KOR/VAS
Propanone clathrate hydrate; Acetone clathrate hydrate; Dimethyl ketone clathrate hydrate			Propanal; Propaldehyde		
<b>Heat Capacity</b>	160 K,	$C_p = 468.36 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p = 159.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 11 to 160 K.			Temperature range 15 to 335 K.		
<b>Entropy</b>	160 K,	$S = 516.58 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Entropy</b>	298.15 K,	$S = 212.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	364.3382		<b>Phase Changes</b>		
<b>Wiswesser Line Notation</b>	1V1 & QH 17		c/liq	171.32 K,	$\Delta H = 8590 \text{ J} \cdot \text{mol}^{-1}$
<b>Evaluation</b>	A		liq/g	321.08 K,	$\Delta H = 28320 \text{ J} \cdot \text{mol}^{-1}$
T(glass)=90 K.			<b>Molecular Weight</b>	58.0798	
			<b>Wiswesser Line Notation</b>	VH2	
			<b>Evaluation</b>	A	
			Anomalies in the liquid phase over the temperature range 265 to 315 K.		
<b>C<sub>3</sub>H<sub>6</sub>O·17H<sub>2</sub>O</b> (c)		85HAN	<b>(C<sub>3</sub>H<sub>6</sub>O)<sub>n</sub></b> (c)		92LEB/VAS
Propylene oxide clathrate hydrate			Polypropanal		
<b>Heat Capacity</b>	260 K,	$C_p = 718 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p = 105.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 95 to 260 K.			Temperature range 5 to 360 K.		
<b>Phase Changes</b>			<b>Entropy</b>	298.15 K,	$S = 127.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c/liq	268.6 K,	$\Delta H = 92700 \text{ J} \cdot \text{mol}^{-1}$	<b>Phase Changes</b>		
		$\Delta S = 345.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	c/liq	347 K,	$\Delta H = 4990 \text{ J} \cdot \text{mol}^{-1}$
<b>Molecular Weight</b>	364.3382				$\Delta S = 5.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b>	T3OTJ B1 & QH 17		<b>Molecular Weight</b>	58.0798	
<b>Evaluation</b>	A		<b>Wiswesser Line Notation</b>	/*OY*2/	
			<b>Evaluation</b>	A	
			T(glass)=240 K.		
<b>C<sub>3</sub>H<sub>6</sub>O</b> (liq)		76CON/GIN			
Oxetane; Trimethylene oxide					
<b>Heat Capacity</b>	298 K,	$C_p = 99.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
One temperature.					
<b>Molecular Weight</b>	58.0798				
<b>Wiswesser Line Notation</b>	T4OTJ				
<b>Evaluation</b>	B				

$(C_3H_6O_2)_n$ (c)		69CLE/MEL4	$C_p = 113.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	$C_3H_6O_2$ (liq)	Propionic acid; Propanoic acid	02L
Poly-1,3-dioxolane				<b>Heat Capacity</b>	350 K	
<b>Heat Capacity</b>	298.15 K,				Mean value 20 to 136 °C.	
Temperature range 80 to 390 K. Extrapolated data.					<b>Molecular Weight</b> 74.0792	
<b>Entropy</b>	298.15 K,	$S = 112.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			<b>Wiswesser Line Notation</b> QV2	
<b>Phase Changes</b>					<b>Evaluation</b>	D
c,II/c,I	209 K					
Glass transition.						
c,I/liq	325 K,	$\Delta H = 16698 \text{ J} \cdot \text{mol}^{-1}$	$\Delta S = 5.14 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	$C_3H_6O_2$ (liq)	Propionic acid; Propanoic acid	34RAD/
<b>Molecular Weight</b> 74.0792				<b>Heat Capacity</b>	289 K,	
<b>Wiswesser Line Notation</b> /*1O1O1*/					One temperature.	
<b>Evaluation</b>	B				<b>Molecular Weight</b> 74.0792	
$C_3H_6O_2$ (liq)		71HAL/BAL	$C_p = 123.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	$C_3H_6O_2$ (liq)	Propionic acid; Propanoic acid	71KON/W
Methyl ethanoate; Methyl acetate				<b>Heat Capacity</b>	298.15 K,	
<b>Heat Capacity</b>	297 K,				One temperature.	
One temperature.					<b>Molecular Weight</b> 74.0792	
<b>Molecular Weight</b> 74.0792					<b>Wiswesser Line Notation</b> QV2	
<b>Wiswesser Line Notation</b> 1VO1					<b>Evaluation</b>	C
<b>Evaluation</b>	C					
$C_3H_6O_2$ (liq)		85COS/PAT	$C_p = 140.56 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	$C_3H_6O_2$ (liq)	Propionic acid; Propanoic acid	78WOY/F
Methyl ethanoate; Methyl acetate				<b>Heat Capacity</b>	333.15 K,	
<b>Heat Capacity</b>	298.15 K,				One temperature.	
Temperature range 283.15, 298.15, 313.15 K.					<b>Molecular Weight</b> 74.0792	
<b>Molecular Weight</b> 74.0792					<b>Wiswesser Line Notation</b> QV2	
<b>Wiswesser Line Notation</b> 1VO1					<b>Evaluation</b>	B
<b>Evaluation</b>	B					
$C_3H_6O_2$ (liq)		85COS/PAT2	$C_p = 140.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	$C_3H_6O_2$ (liq)	Propionic acid; Propanoic acid	82BIR/
Methyl ethanoate; Methyl acetate				<b>Heat Capacity</b>	298.15 K,	
<b>Heat Capacity</b>	298.15 K,				$C_p = 158.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 283.15, 298.15, 313.15 K.					Temperature range 270 to 370 K. Equation only. $C_p = 129.7 - 0.1 T + 0.0007486 T^2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .	
<b>Molecular Weight</b> 74.0792					<b>Molecular Weight</b> 74.0792	
<b>Wiswesser Line Notation</b> 1VO1					<b>Wiswesser Line Notation</b> QV2	
<b>Evaluation</b>	B				<b>Evaluation</b>	C
$C_3H_6O_2$ (liq)		88PIN/BRA	$C_p = 141.34 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	$C_3H_6O_2$ (liq)	Propionic acid; Propanoic acid	82MAR/F
Methyl ethanoate; Methyl acetate				<b>Heat Capacity</b>	298.15 K,	
<b>Heat Capacity</b>	298.15 K,				$C_p = 152.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
One temperature.					Temperature range 13 to 450 K. Data also given by equation.	
<b>Molecular Weight</b> 74.0792					<b>Entropy</b>	$S = 191.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b> 1VO1					<b>Phase Changes</b>	
<b>Evaluation</b>	B			c,I/liq	252.65 K,	
$C_3H_6O_2$ (liq)		92OKA/OGU	$C_p = 140.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	$\Delta H = 10660 \text{ J} \cdot \text{mol}^{-1}$	$\Delta S = 42.19 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Methyl ethanoate; Methyl acetate				<b>Molecular Weight</b> 74.0792		
<b>Heat Capacity</b>	288.58 K,			<b>Wiswesser Line Notation</b> QV2		
Temperature range 13 to 290 K. Unsmoothed experimental datum.				<b>Evaluation</b>	A	
<b>Phase Changes</b>						
Anom1	36 K					
Anom2	155 K					
c/liq	174.897 K,	$\Delta H = 7486 \text{ J} \cdot \text{mol}^{-1}$				
<b>Molecular Weight</b> 74.0792						
<b>Wiswesser Line Notation</b> 1VO1						
<b>Evaluation</b>	B					
The slight peak at 155 K is probably due to eutectic melting of the crystal with an unidentified impurity.						
$C_3H_6O_2$ (liq)		69CLE/N				
1,3-Dioxolane						
<b>Heat Capacity</b>						
Temperature range 80 to 390 K.						
<b>Entropy</b>	298.15 K,					
<b>Phase Changes</b>						
c,II/c,I	142.4 K,					
c,I/liq	175.93 K,					
<b>Molecular Weight</b> 74.0792						
<b>Wiswesser Line Notation</b> T5O COTJ						
<b>Evaluation</b>	B					

$C_3H_6O_2$ (liq)		76CON/GIN	$C_3H_6O_2S$ (liq)		35HUF/ELL
1,3-Dioxolane			3-Thiolpropanoic acid; $\beta$ -Thiolactic acid		
<b>Heat Capacity</b>	298 K,	$C_p = 118.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	$299.8 \text{ K},$	$C_p = 202.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
One temperature.			Temperature range 85 to 310 K. Value is unsmoothed experimental datum.		
<b>Molecular Weight</b>	74.0792				
<b>Wiswesser Line Notation</b>	T5O COTJ				
<b>Evaluation</b>	B				
$C_3H_6O_2$ (liq)		81ING/CAS	 		
1,3-Dioxolane					
<b>Heat Capacity</b>	298.15 K,	$C_p = 120.84 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
One temperature.					
<b>Molecular Weight</b>	74.0792				
<b>Wiswesser Line Notation</b>	T5O COTJ				
<b>Evaluation</b>	B				
$C_3H_6O_2 \cdot 17H_2O$ (liq)		85HAN	$(C_3H_6O_2)_n$ (c)		62DAI/EVA6
1,3-Dioxolane clathrate hydrate			Propene polysulphone		
<b>Heat Capacity</b>	260 K,	$C_p = 731 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p = 134.22 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 95 to 260 K.			Temperature range 20 to 300 K.		
<b>Phase Changes</b>			<b>Entropy</b>	298.15 K,	$S = 1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c/liq	270.5 K,	$\Delta H = 99100 \text{ J} \cdot \text{mol}^{-1}$	<b>Molecular Weight</b>	106.1392	
		$\Delta S = 366.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Wiswesser Line Notation</b>		
<b>Molecular Weight</b>	380.3376		<b>Evaluation</b>	A	
<b>Wiswesser Line Notation</b>	T5O COTJ & QH 17				
<b>Evaluation</b>	A				
$C_3H_6O_2$ (liq)		33KOL/UDO	$C_3H_6O_3$ (liq)		83SAN/CIO
Ethyl methanoate; Ethyl formate			Methylene glycol monoacetate		
<b>Heat Capacity</b>	294.7 K,	$C_p = 148.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p = 214 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
One temperature.			Temperature range 273.15 to 323.15 K. $C_p^{\circ} (\text{kJ} \cdot \text{kg}^{-1} \cdot \text{K}^{-1}) = 0.033053$		
<b>Molecular Weight</b>	74.0792		T - 7.401		
<b>Wiswesser Line Notation</b>	VHO2		<b>Molecular Weight</b>	87.0549	
<b>Evaluation</b>	C		<b>Wiswesser Line Notation</b>	Q1OV1	
 			<b>Evaluation</b>	D	
$C_3H_6O_2$ (liq)		34KOL/UDO2	$C_3H_6O_3$ (liq)		36PAR/THO
Ethyl methanoate; Ethyl formate			2-Hydroxypropanoic acid (DL); Lactic acid (DL)		
<b>Heat Capacity</b>	294.7 K,	$C_p = 148.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.1 K,	$C_p = 210.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
One temperature.			Temperature range 90 to 300 K. Unsmoothed experimental datum.		
<b>Molecular Weight</b>	74.0792		<b>Entropy</b>	298.1 K,	$S = 192.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b>	VHO2		Extrapolation below 90 K, 48.16 $\text{J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .		
<b>Evaluation</b>	C		<b>Phase Changes</b>		
 			c/liq	289.9 K,	$\Delta H = 11340 \text{ J} \cdot \text{mol}^{-1}$
					$\Delta S = 39.12 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	90.0786		<b>Molecular Weight</b>	90.0786	
<b>Wiswesser Line Notation</b>	QY1&VQ -DL		<b>Wiswesser Line Notation</b>	QY1&VQ -DL	
<b>Evaluation</b>			<b>Evaluation</b>	B( $C_p$ ), C(S)	
$C_3H_6O_2$ (liq)		36KUR/VOS	$C_3H_6O_3$ (c)		40HUF/ELL
Ethyl methanoate; Ethyl formate			2-Hydroxypropanoic acid (D); Lactic acid (D)		
<b>Heat Capacity</b>	290 K,	$C_p = 158.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.2 K,	$C_p = 127.65 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
One temperature.			Temperature range 84 to 312 K. Value is unsmoothed experimental datum.		
<b>Molecular Weight</b>	74.0792		<b>Entropy</b>	298.1 K,	$S = 143.51 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b>	VHO2		Extrapolation below 90 K, 43.64 $\text{J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .		
<b>Evaluation</b>	D		<b>Molecular Weight</b>	90.0786	
 			<b>Wiswesser Line Notation</b>	QY1&VQ -D	
			<b>Evaluation</b>	A( $C_p$ ), C(S)	
$C_3H_6O_2$ (liq)		79FUC	$C_3H_6O_3$ (c)		40HUF/ELL
Ethyl methanoate; Ethyl formate			2-Hydroxypropanoic acid (L); Lactic acid (L)		
<b>Heat Capacity</b>	298.15 K,	$C_p = 144.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	297.9 K,	$C_p = 128.57 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
One temperature.			Temperature range 84 to 298 K. Value is unsmoothed experimental datum.		
<b>Molecular Weight</b>	74.0792		<b>Entropy</b>	298.1 K,	$S = 142.26 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b>	VHO2		Extrapolation below 90 K, 42.93 $\text{J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .		
<b>Evaluation</b>	B		<b>Molecular Weight</b>	90.0786	
 			<b>Wiswesser Line Notation</b>	QY1&VQ -L	
			<b>Evaluation</b>	A( $C_p$ ), C(S)	

$C_3H_6O_3$ (liq)		44YOS	$C_3H_7Br$ (liq)		93S
2-Hydroxypropanoic acid (DL); Lactic acid (DL)			1-Bromopropane; n-Propyl bromide		
<b>Phase Changes</b>			<b>Heat Capacity</b>	298.15 K,	$C_p = 134.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c/liq	290 K,	$\Delta H = 11344 \text{ J} \cdot \text{mol}^{-1}$	One temperature.		
		$\Delta S = 39.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b>	122.9923	
<b>Molecular Weight</b>	90.0786		<b>Wiswesser Line Notation</b>	E3	
<b>Wiswesser Line Notation</b>	QY1&VQ -DL		<b>Evaluation</b>	B	
<b>Evaluation</b>	B				
$C_3H_6O_3$ (c)		68CLE/MEL	$C_3H_7Br$ (liq)		1881F
1,3,5-Trioxane			2-Bromopropane; Isopropyl bromide		
<b>Heat Capacity</b>	298.15 K,	$C_p = 111.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298 K,	$C_p = 132.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 80 to 310 K.			Temperature range	287 to 344 K.	
<b>Entropy</b>	298.15 K,	$S = 133.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b>	122.9923	
<b>Molecular Weight</b>	90.0786		<b>Wiswesser Line Notation</b>	EY1&1	
<b>Wiswesser Line Notation</b>	T6O CO EOTJ		<b>Evaluation</b>	D	
<b>Evaluation</b>	B				
$C_3H_6O_3$ (c)		88BOM/MIL	$C_3H_7Br$ (liq)		50KUS/CI
1,3,5-Trioxane			2-Bromopropane; Isopropyl bromide		
<b>Heat Capacity</b>	298.15 K,	$C_p = 113.08 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	209.6 K,	$C_p = 126.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 10 to 350 K.			Temperature range	117 to 209 K. Value is unsmoothed experimenter datum.	
<b>Entropy</b>	298.15 K,	$S = 142.89 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Phase Changes</b>		
<b>Phase Changes</b>			c/liq	184.1 K,	$\Delta H = 6530 \text{ J} \cdot \text{mol}^{-1}$
c/liq	333.44 K,	$\Delta H = 15105 \text{ J} \cdot \text{mol}^{-1}$			$\Delta S = 35.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	90.0786		<b>Molecular Weight</b>	122.9923	
<b>Wiswesser Line Notation</b>	T6O CO EOTJ		<b>Wiswesser Line Notation</b>	EY1&1	
<b>Evaluation</b>	A		<b>Evaluation</b>	B	
$C_3H_6S$ (liq)		53SCO/FIN	$C_3H_7Br$ (liq)		93S
Thiacyclobutane			2-Bromopropane; Isopropyl bromide		
<b>Heat Capacity</b>	294.37 K,	$C_p = 112.59 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p = 135.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 12 to 321 K. Value is unsmoothed experimental datum.			One temperature.		
<b>Entropy</b>	298.15 K,	$S = 184.93 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b>	122.9923	
<b>Phase Changes</b>			<b>Wiswesser Line Notation</b>	EY1&1	
c,II/c,I	176.7 K,	$\Delta H = 668.6 \text{ J} \cdot \text{mol}^{-1}$	<b>Evaluation</b>	B	
		$\Delta S = 3.78 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
c,I/liq	199.91 K,	$\Delta H = 8248.3 \text{ J} \cdot \text{mol}^{-1}$			
		$\Delta S = 41.26 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
<b>Molecular Weight</b>	74.1404				
<b>Wiswesser Line Notation</b>	T4STJ				
<b>Evaluation</b>	A				
$C_3H_7Br$ (liq)		1881REI	$C_3H_7Cl$ (liq)		48E
1-Bromopropane; n-Propyl bromide			1-Chloropropane; n-Propyl chloride		
<b>Heat Capacity</b>	298 K,	$C_p = 130.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	297 K,	$C_p = 130.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 289 to 364 K.			Temperature range 200 to 297 K. (4 pts) from unpublis		
<b>Molecular Weight</b>	122.9923		measurements of A. Landsberg.		
<b>Wiswesser Line Notation</b>	E3		<b>Molecular Weight</b>	78.5413	
<b>Evaluation</b>	D		<b>Wiswesser Line Notation</b>	G3	
			<b>Evaluation</b>	C	
$C_3H_7Br$ (liq)		48KUR	$C_3H_7Cl$ (liq)		48K
1-Bromopropane; n-Propyl bromide			1-Chloropropane; n-Propyl chloride		
<b>Heat Capacity</b>	298 K,	$C_p = 140.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298 K,	$C_p = 132.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range -30 to 67 °C. mean $C_p$ three temperatures.			Temperature range -39 to 43 °C, mean $C_p$ , two temperatures.		
<b>Molecular Weight</b>	122.9923		<b>Molecular Weight</b>	78.5413	
<b>Wiswesser Line Notation</b>	E3		<b>Wiswesser Line Notation</b>	G3	
<b>Evaluation</b>	D		<b>Evaluation</b>	D	

<b>C<sub>3</sub>H<sub>7</sub>I</b> (liq)		1881REI	<b>C<sub>3</sub>H<sub>7</sub>NO</b> (liq)		77DEV/PER2
1-Iodopropane; n-Propyl iodide			N,N-Dimethylformamide; N,N-Dimethylmethanamide; DMF		
<b>Heat Capacity</b> 298 K,	$C_p = 126.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K,	$C_p = 148 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 293 to 383 K.			One temperature.		
<b>Molecular Weight</b> 169.9928			<b>Molecular Weight</b> 73.0944		
<b>Wiswesser Line Notation</b> I3			<b>Wiswesser Line Notation</b> VHN1&1		
<b>Evaluation</b> D			<b>Evaluation</b> B		
<b>C<sub>3</sub>H<sub>7</sub>I</b> (liq)		93SHE	<b>C<sub>3</sub>H<sub>7</sub>NO</b> (liq)		77DEV/PER3
1-Iodopropane; n-Propyl iodide			N,N-Dimethylformamide; N,N-Dimethylmethanamide; DMF		
<b>Heat Capacity</b> 298.15 K,	$C_p = 136.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K,	$C_p = 150.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
One temperature.			One temperature.		
<b>Molecular Weight</b> 169.9928			<b>Molecular Weight</b> 73.0944		
<b>Wiswesser Line Notation</b> I3			<b>Wiswesser Line Notation</b> VHN1&1		
<b>Evaluation</b> B			<b>Evaluation</b> B		
<b>C<sub>3</sub>H<sub>7</sub>I</b> (liq)		93SHE	<b>C<sub>3</sub>H<sub>7</sub>NO</b> (liq)		77VIS/PER
2-Iodopropane; Isopropyl iodide			N,N-Dimethylformamide; N,N-Dimethylmethanamide; DMF		
<b>Heat Capacity</b> 298.15 K,	$C_p = 137.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298 K,	$C_p = 148 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
One temperature.			One temperature only.		
<b>Molecular Weight</b> 169.9928			<b>Molecular Weight</b> 73.0944		
<b>Wiswesser Line Notation</b> IY1&1			<b>Wiswesser Line Notation</b> VHN1&1		
<b>Evaluation</b> B			<b>Evaluation</b> B		
<b>C<sub>3</sub>H<sub>7</sub>N</b> (liq)		81FIN/MES	<b>C<sub>3</sub>H<sub>7</sub>NO</b> (liq)		78KAR/RAB2
Cyclopropylamine			N,N-Dimethylformamide; N,N-Dimethylmethanamide; DMF		
<b>Heat Capacity</b> 298.15 K,	$C_p = 147.11 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Phase Changes</b>		
Temperature range 12 to 315 K. Equation also given in temperature range 242 to 315 K.			c/liq	212.85 K,	$\Delta H = 8950 \text{ J} \cdot \text{mol}^{-1}$
<b>Entropy</b> 298.15 K,	$S = 187.69 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$				$\Delta S = 41.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Phase Changes</b>					
c, l/liq	237.76 K,		<b>Molecular Weight</b> 73.0944		
	$\Delta H = 13183.4 \text{ J} \cdot \text{mol}^{-1}$		<b>Wiswesser Line Notation</b> VHN1&1		
	$\Delta S = 55.45 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Evaluation</b> A		
<b>Molecular Weight</b> 57.0950					
<b>Wiswesser Line Notation</b> L3TJ AZ					
<b>Evaluation</b> A					
<b>C<sub>3</sub>H<sub>7</sub>NO</b> (liq)		61GEL	<b>C<sub>3</sub>H<sub>7</sub>NO</b> (liq)		78MAR/CIO
N,N-Dimethylformamide; N,N-Dimethylmethanamide; DMF			N,N-Dimethylformamide; N,N-Dimethylmethanamide; DMF		
<b>Heat Capacity</b> 298 K,	$C_p = 156.69 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298 K,	$C_p = 120.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 273 to 323 K.			Temperature range 298 to 427 K. Mean value over range.		
<b>Molecular Weight</b> 73.0944			<b>Molecular Weight</b> 73.0944		
<b>Wiswesser Line Notation</b> VHN1&1			<b>Wiswesser Line Notation</b> VHN1&1		
<b>Evaluation</b> C			<b>Evaluation</b> -D		
<b>C<sub>3</sub>H<sub>7</sub>NO</b> (liq)		74VIS/SOM	<b>C<sub>3</sub>H<sub>7</sub>NO</b> (liq)		79DEV/SOM
N,N-Dimethylformamide; N,N-Dimethylmethanamide; DMF			N,N-Dimethylformamide; N,N-Dimethylmethanamide; DMF		
<b>Heat Capacity</b> 298.15 K,	$C_p = 152.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K,	$C_p = 150.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
One temperature.			One temperature.		
<b>Molecular Weight</b> 73.0944			<b>Molecular Weight</b> 73.0944		
<b>Wiswesser Line Notation</b> VHN1&1			<b>Wiswesser Line Notation</b> VHN1&1		
<b>Evaluation</b> A			<b>Evaluation</b> B		
<b>C<sub>3</sub>H<sub>7</sub>NO</b> (liq)		76BON/CER	<b>C<sub>3</sub>H<sub>7</sub>NO</b> (liq)		79VIS/SOM
N,N-Dimethylformamide; N,N-Dimethylmethanamide; DMF			N,N-Dimethylformamide; N,N-Dimethylmethanamide; DMF		
<b>Heat Capacity</b> 298.15 K,	$C_p = 146 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K,	$C_p = 150.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
One temperature.			One temperature.		
<b>Molecular Weight</b> 73.0944			<b>Molecular Weight</b> 73.0944		
<b>Wiswesser Line Notation</b> VHN1&1			<b>Wiswesser Line Notation</b> VHN1&1		
<b>Evaluation</b> B			<b>Evaluation</b> B		

$\text{C}_3\text{H}_7\text{NO}$ (liq)	82VOR/YAK	$\text{C}_3\text{H}_7\text{NO}_2$ (c)	89KUL/K
N,N-Dimethylformamide; N,N-Dimethylmethanamide; DMF		3-Aminopropanoic acid; $\beta$ -Alanine	
<b>Heat Capacity</b> 298.15 K, $C_p = 150.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298 K,	$C_p = 109.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 297.15 to 299.15 K. $C_p$ given as $2.059 \text{ J} \cdot \text{K}^{-1} \cdot \text{g}^{-1}$ .		Temperature range 298 to 348 K.	
<b>Molecular Weight</b> 73.0944		<b>Molecular Weight</b> 89.0938	
<b>Wiswesser Line Notation</b> VHN1&1		<b>Wiswesser Line Notation</b> Z2VQ	
<b>Evaluation</b> B		<b>Evaluation</b> C	
$\text{C}_3\text{H}_7\text{NO}$ (liq)	84ZEG/SOM	$\text{C}_3\text{H}_7\text{NO}_2$ (c)	90BAD/K
N,N-Dimethylformamide; N,N-Dimethylmethanamide; DMF		3-Aminopropanoic acid; $\beta$ -Alanine	
<b>Heat Capacity</b> 298.15 K, $C_p = 148.36 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298 K,	$C_p = 109 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
One temperature.		Temperature range 298, 313, 333, 348 K.	
<b>Molecular Weight</b> 73.0944		<b>Molecular Weight</b> 89.0938	
<b>Wiswesser Line Notation</b> VHN1&1		<b>Wiswesser Line Notation</b> Z2VQ	
<b>Evaluation</b> B		<b>Evaluation</b> D	
$\text{C}_3\text{H}_7\text{NO}$ (liq)	89PET/PES	$\text{C}_3\text{H}_7\text{NO}_2$ (c)	76BER/B
N,N-Dimethylformamide; N,N-Dimethylmethanamide; DMF		Ethyl carbamate; Urethane	
<b>Heat Capacity</b> 298.15 K, $C_p = 150.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Phase Changes</b>	
Temperature range 258.15, 278.15, 298.15, 318.15 K.		c/liq 321.7 K,	$\Delta H = 20900 \text{ J} \cdot \text{mol}^{-1}$
<b>Molecular Weight</b> 73.0944			$\Delta S = 64.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b> VHN1&1		<b>Molecular Weight</b> 89.0938	
<b>Evaluation</b> B		<b>Wiswesser Line Notation</b> ZVO2	
 		<b>Evaluation</b> A	
$\text{C}_3\text{H}_7\text{NO}$ (liq)	89KUL/KRE	$\text{C}_3\text{H}_7\text{NO}_2$ (c)	83DEW/D
N,N-Dimethylformamide; N,N-Dimethylmethanamide; DMF		Ethyl carbamate; Urethane	
<b>Heat Capacity</b> 308 K, $C_p = 149.28 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 300 K,	$C_p = 156.43 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
One temperature.		Temperature range 90 to 330 K.	
<b>Molecular Weight</b> 73.0944		<b>Phase Changes</b>	
<b>Wiswesser Line Notation</b> VHN1&1		c/liq 321.41 K,	$\Delta H = 16794 \text{ J} \cdot \text{mol}^{-1}$
<b>Evaluation</b> B			$\Delta S = 52.25 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
 		<b>Molecular Weight</b> 89.0938	
 		<b>Wiswesser Line Notation</b> ZVO2	
 		<b>Evaluation</b> B( $C_p$ ), A(Phase changes).	
$\text{C}_3\text{H}_7\text{NO}$ (liq)	92KOL/KUL	$\text{C}_3\text{H}_7\text{NO}_2$ (c)	32HUF/B
N,N-Dimethylformamide; N,N-Dimethylmethanamide; DMF		2-Aminopropanoic acid(D); Alanine(D)	
<b>Heat Capacity</b> 298.15 K, $C_p = 148.16 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 296.8 K,	$C_p = 120.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 283 to 323 K.		Temperature range 84 to 297 K. Value is unsmoothed experimenter datum.	
<b>Molecular Weight</b> 73.0944		<b>Entropy</b> 298.1 K, $S = 132.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Wiswesser Line Notation</b> VHN1&1		Extrapolation below 90 K, $37.15 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .	
<b>Evaluation</b> B		<b>Molecular Weight</b> 89.0938	
 		<b>Wiswesser Line Notation</b> ZY1&VQ -D	
 		<b>Evaluation</b> B( $C_p$ ), C(S)	
$\text{C}_3\text{H}_7\text{NO}$ (liq)	93GRO/ROU	$\text{C}_3\text{H}_7\text{NO}_2$ (c)	37HUF/E
N,N-Dimethylformamide; N,N-Dimethylmethanamide; DMF		2-Aminopropanoic acid(DL); Alanine(DL)	
<b>Heat Capacity</b> 298.15 K, $C_p = 146.05 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 297.5 K, $C_p = 121.71 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
One temperature.		Temperature range 85 to 298 K. Value is unsmoothed experimenter datum.	
<b>Molecular Weight</b> 73.0944		<b>Entropy</b> 298.15 K, $S = 132.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Wiswesser Line Notation</b> VHN1&1		Extrapolation below 90 K, $36.99 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .	
<b>Evaluation</b> B		<b>Molecular Weight</b> 89.0938	
 		<b>Wiswesser Line Notation</b> ZY1&VQ -DL	
 		<b>Evaluation</b> B( $C_p$ ), C(S)	
$\text{C}_3\text{H}_7\text{NO}_2$ (c)	77SAB/LAF	$\text{C}_3\text{H}_7\text{NO}_2$ (c)	75SPI/W
Sarcosine; N-Methylglycine		2-Aminopropanoic acid(DL); Alanine(DL)	
<b>Heat Capacity</b> 298.15 K, $C_p = 128.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K, $C_p = 121.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
One temperature.		Temperature range 85 to 298 K. Value is unsmoothed experimenter datum.	
<b>Molecular Weight</b> 89.0938		<b>Entropy</b> 298.15 K, $S = 132.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Wiswesser Line Notation</b> QV1M1		Extrapolation below 90 K, $36.99 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .	
<b>Evaluation</b> B		<b>Molecular Weight</b> 89.0938	
 		<b>Wiswesser Line Notation</b> ZY1&VQ -DL	
 		<b>Evaluation</b> B( $C_p$ ), C(S)	
$\text{C}_3\text{H}_7\text{NO}_2$ (c)	83SKO/SAB	$\text{C}_3\text{H}_7\text{NO}_2$ (c)	
3-Aminopropanoic acid; $\beta$ -Alanine		2-Aminopropanoic acid(DL); Alanine(DL)	
<b>Heat Capacity</b> 298 K, $C_p = 116.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K, $C_p = 121.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
One temperature.		One temperature.	
<b>Molecular Weight</b> 89.0938		<b>Molecular Weight</b> 89.0938	
<b>Wiswesser Line Notation</b> Z2VQ		<b>Wiswesser Line Notation</b> ZY1&VQ -DL	
<b>Evaluation</b> B		<b>Evaluation</b> B	

$\text{C}_3\text{H}_7\text{NO}_2$ (c)	89KUL/KOZ	$\text{C}_3\text{H}_7\text{NO}_3$ (c)	64HUT/COL2
2-Aminopropanoic acid(DL); Alanine(DL)		2-Amino-3-hydroxypropanoic acid(L); Serine(L)	
<b>Heat Capacity</b> 298 K, $C_p = 113.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K, $C_p = 135.56 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 298 to 348 K.		Temperature range 10 to 310 K.	
<b>Molecular Weight</b> 89.0938		<b>Entropy</b> 298.15 K, $S = 149.16 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Wiswesser Line Notation</b> ZY1&VQ -DL		<b>Molecular Weight</b> 105.0932	
<b>Evaluation</b> C		<b>Wiswesser Line Notation</b> QVYZ1Q -L	
		<b>Evaluation</b> A	
$\text{C}_3\text{H}_7\text{NO}_2$ (c)	90BAD/KUL	$\text{C}_3\text{H}_7\text{NO}_3$ (c)	75SPI/WAD
2-Aminopropanoic acid(DL); Alanine(DL)		2-Amino-3-hydroxypropanoic acid(DL); Serine(DL)	
<b>Heat Capacity</b> 298 K, $C_p = 114 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K, $C_p = 132.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 298, 313, 333, 348 K.		One temperature.	
<b>Molecular Weight</b> 89.0938		<b>Molecular Weight</b> 105.0932	
<b>Wiswesser Line Notation</b> ZY1&VQ -DL		<b>Wiswesser Line Notation</b> QVYZ1Q -DL	
<b>Evaluation</b> D		<b>Evaluation</b> B	
$\text{C}_3\text{H}_7\text{NO}_2$ (c)	60HUT/COL	$\text{C}_3\text{H}_7\text{NO}_3$ (c)	78SAB/LAF
2-Aminopropanoic acid(L); Alanine(L)		2-Amino-3-hydroxypropanoic acid(L); Serine(L)	
<b>Heat Capacity</b> 298.15 K, $C_p = 122.26 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K, $C_p = 138.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 11 to 305 K.		One temperature.	
<b>Entropy</b> 298.15 K, $S = 129.21 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Molecular Weight</b> 105.0932	
<b>Molecular Weight</b> 89.0938		<b>Wiswesser Line Notation</b> QVYZ1Q -L	
<b>Wiswesser Line Notation</b> ZY1&VQ -L		<b>Evaluation</b> B	
<b>Evaluation</b> A			
$\text{C}_3\text{H}_7\text{NO}_2$ (c)	75DAU/DEL	$\text{C}_3\text{H}_7\text{NO}_3$ (liq)	88BUN
2-Aminopropanoic acid(L); Alanine(L)		Isopropyl nitrate	
<b>Heat Capacity</b>		<b>Heat Capacity</b> 350 K, $C_p = 200.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 1 to 300 K. $C_p$ data given graphically.		One temperature.	
<b>Entropy</b> 273 K, $S = 118.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Molecular Weight</b> 105.0932	
<b>Molecular Weight</b> 89.0938		<b>Wiswesser Line Notation</b> WNOY1&I	
<b>Wiswesser Line Notation</b> ZY1&VQ -L		<b>Evaluation</b> B	
<b>Evaluation</b> B			
$\text{C}_3\text{H}_7\text{NO}_2$ (c)	89KUL/KOZ	$\text{C}_3\text{H}_7\text{NO}_3$ (liq)	88LUS/RUB
2-Aminopropanoic acid(L); Alanine(L)		Isopropyl nitrate	
<b>Heat Capacity</b> 298 K, $C_p = 115.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K, $C_p = 191.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 298 to 348 K.		Temperature range 14 to 300 K.	
<b>Molecular Weight</b> 89.0938		<b>Entropy</b> 298.15 K, $S = 263.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Wiswesser Line Notation</b> ZY1&VQ -L		<b>Phase Changes</b>	
<b>Evaluation</b> C		c/liq 190.81 K, $\Delta H = 10010 \text{ J} \cdot \text{mol}^{-1}$	
		$\Delta S = 52.43 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
$\text{C}_3\text{H}_7\text{NO}_2$ (c)	90BAD/KUL	<b>Molecular Weight</b> 105.0932	
2-Aminopropanoic acid(L); Alanine(L)		<b>Wiswesser Line Notation</b> WNOY1&I	
<b>Heat Capacity</b> 298 K, $C_p = 115 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Evaluation</b> A	
Temperature range 298, 313, 333, 348 K.			
<b>Molecular Weight</b> 89.0938			
<b>Wiswesser Line Notation</b> ZY1&VQ -L			
<b>Evaluation</b> D			
$\text{C}_3\text{H}_7\text{NO}_2\text{S}$ (c)	35HUF/ELL	$\text{C}_3\text{H}_8$ (liq)	38KEM/EGA
Cysteine(L)		Propane	
<b>Heat Capacity</b> 297.6 K, $C_p = 162.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 230 K, $C_p = 98.28 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 85 to 298 K. Value is unsmoothed experimental datum.		Temperature range 15 to 230 K.	
<b>Entropy</b> 298.1 K, $S = 169.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Entropy</b> 231.04 K, $S = 171.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Extrapolation below 90 K. $48.99 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .		<b>Phase Changes</b>	
<b>Molecular Weight</b> 121.1538		c,l/liq 85.45 K, $\Delta H = 3524 \text{ J} \cdot \text{mol}^{-1}$	
<b>Wiswesser Line Notation</b> SH1YZVQ -L		$\Delta S = 41.24 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Evaluation</b> B( $C_p$ ),C(S)		liq/g 231.04 K, $\Delta H = 18774 \text{ J} \cdot \text{mol}^{-1}$	
		$\Delta S = 81.26 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
		<b>Molecular Weight</b> 44.0962	
		<b>Wiswesser Line Notation</b> 3H	
		<b>Evaluation</b> A	

$C_3H_8$ (liq)	78GOO	$C_3H_8O$ (liq)	188
Propane		1-Propanol; n-Propyl alcohol	
<b>Heat Capacity</b> 300 K,	$C_p=119.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298 K,	$C_p=144.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 81 to 289 K. $C_p$ data reported for an extended data set; unsmoothed experimental datum.		Temperature range 289 to 363 K.	
<b>Molecular Weight</b> 44.0962		<b>Molecular Weight</b> 60.0956	
<b>Wiswesser Line Notation</b> 3H		<b>Wiswesser Line Notation</b> Q3	
<b>Evaluation</b> A		<b>Evaluation</b> D	
$C_3H_8$ (liq)	82VAS	$C_3H_8O$ (liq)	20GIB
Propane		1-Propanol; n-Propyl alcohol	
<b>Heat Capacity</b> 230 K,	$C_p=98.36 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 274.6 K,	$C_p=131.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 90 to 230 K. $C_p$ given as $2.2305 \text{ J} \cdot \text{g} \cdot \text{K}^{-1}$ .		Temperature range 77 to 274.6 K. Unsmoothed experimental data.	
<b>Molecular Weight</b> 44.0962		<b>Molecular Weight</b> 60.0956	
<b>Wiswesser Line Notation</b> 3H		<b>Wiswesser Line Notation</b> Q3	
<b>Evaluation</b> A		<b>Evaluation</b> B	
Sample purity, 99.95 mol%.			
$C_3H_8$ (gls)	90TAK/OGU	$C_3H_8O$ (liq)	26PAR/
Propane		1-Propanol; n-Propyl alcohol	
<b>Phase Changes</b>		<b>Heat Capacity</b> 275.0 K,	$C_p=133.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c/gls 45.5 K		Temperature range 86 to 275 K. Value is unsmoothed experim.	
<b>Molecular Weight</b> 44.0962		datum.	
<b>Wiswesser Line Notation</b> 3H		<b>Entropy</b> 298.1 K,	$S=214.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Evaluation</b> A		Extrapolation below 90 K, $64.85 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .	
$C_3H_8N_2O$ (c)	87DEL/FER	<b>Phase Changes</b>	
1,3-Dimethylurea		c/liq 147.0 K,	$\Delta H=5192 \text{ J} \cdot \text{mol}^{-1}$
<b>Phase Changes</b>			$\Delta S=35.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c/liq 379.5 K,	$\Delta H=13620 \text{ J} \cdot \text{mol}^{-1}$	<b>Molecular Weight</b> 60.0956	
	$\Delta S=35.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Wiswesser Line Notation</b> Q3	
<b>Molecular Weight</b> 88.1090		<b>Evaluation</b> B( $C_p$ ),C(S)	
<b>Wiswesser Line Notation</b> 1MVM1			
<b>Evaluation</b> A			
$C_3H_8N_2O$ (c)	87DEL/FER	$C_3H_8O$ (liq)	27PAR/
Ethylurea; Monoethylurea		1-Propanol; n-Propyl alcohol	
<b>Phase Changes</b>		<b>Heat Capacity</b> 275.4 K,	$C_p=133.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c/liq 367.8 K,	$\Delta H=13940 \text{ J} \cdot \text{mol}^{-1}$	Temperature range 86 to 275 K. Value is unsmoothed experim.	
	$\Delta S=37.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	datum.	
<b>Molecular Weight</b> 88.1090		<b>Molecular Weight</b> 60.0956	
<b>Wiswesser Line Notation</b> ZVM2		<b>Wiswesser Line Notation</b> Q3	
<b>Evaluation</b> A		<b>Evaluation</b> B	
$C_3H_8N_2O$ (c)	87DEL/FER	$C_3H_8O$ (liq)	29MIT/
1,1-Dimethylurea		1-Propanol; n-Propyl alcohol	
<b>Phase Changes</b>		<b>Heat Capacity</b> 270 K,	$C_p=136.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c/liq 454.0 K,	$\Delta H=29610 \text{ J} \cdot \text{mol}^{-1}$	Temperature range 170 to 270 K.	
	$\Delta S=65.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b> 60.0956	
<b>Molecular Weight</b> 88.1090		<b>Wiswesser Line Notation</b> Q3	
<b>Wiswesser Line Notation</b> ZVN1&1		<b>Evaluation</b> B	
<b>Evaluation</b> A			
$C_3H_8N_2O_3$ (c)	81SHE/KAM	$C_3H_8O$ (liq)	29PAR
Dimethanolurea		1-Propanol; n-Propyl alcohol	
<b>Heat Capacity</b> 300 K,	$C_p=157.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.1 K,	$C_p=192.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 4 to 300 K.		Extrapolation below 90 K, $43.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .	
<b>Entropy</b> 300 K,	$S=173.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Revision of previous data.	
<b>Molecular Weight</b> 120.1078		<b>Molecular Weight</b> 60.0956	
<b>Wiswesser Line Notation</b> Q1MVM1Q		<b>Wiswesser Line Notation</b> Q3	
<b>Evaluation</b> A		<b>Evaluation</b> C	
$C_3H_8O$ (liq)		$C_3H_8O$ (liq)	3
1-Propanol; n-Propyl alcohol		1-Propanol; n-Propyl alcohol	
<b>Heat Capacity</b> 301.2 K,		<b>Heat Capacity</b> 301.2 K,	$C_p=164.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
One temperature.			
<b>Molecular Weight</b> 60.0956			
<b>Wiswesser Line Notation</b> Q3			
<b>Evaluation</b> C			

<b>C<sub>3</sub>H<sub>8</sub>O</b> (liq)		41ZHD	<b>C<sub>3</sub>H<sub>8</sub>O</b> (liq)		76FOR/BEN
1-Propanol; n-Propyl alcohol			1-Propanol; n-Propyl alcohol		
<b>Heat Capacity</b> 298.1 K,	$C_p = 145.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K,	$C_p = 143.87 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 5 to 46 °C.			One temperature.		
<b>Molecular Weight</b> 60.0956			<b>Molecular Weight</b> 60.0956		
<b>Wiswesser Line Notation</b> Q3			<b>Wiswesser Line Notation</b> Q3		
<b>Evaluation</b> C			<b>Evaluation</b> B		
<b>C<sub>3</sub>H<sub>8</sub>O</b> (liq)		51EUC/EIG	<b>C<sub>3</sub>H<sub>8</sub>O</b> (liq)		76FOR/BEN2
1-Propanol; n-Propyl alcohol			1-Propanol; n-Propyl alcohol		
<b>Heat Capacity</b> 303 K,	$C_p = 140.21 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K,	$C_p = 144.062 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 303 to 393 K.			One temperature.		
<b>Molecular Weight</b> 60.0956			<b>Molecular Weight</b> 60.0956		
<b>Wiswesser Line Notation</b> Q3			<b>Wiswesser Line Notation</b> Q3		
<b>Evaluation</b> A			<b>Evaluation</b> B		
Data from 76FOR/BEN.					
<b>C<sub>3</sub>H<sub>8</sub>O</b> (liq)		60SWI/ZIE	<b>C<sub>3</sub>H<sub>8</sub>O</b> (liq)		77MUR/SUB
1-Propanol; n-Propyl alcohol			1-Propanol; n-Propyl alcohol		
<b>Heat Capacity</b> 320 K,	$C_p = 155.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K,	$C_p = 149.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Mean value 21 to 74 °C.			One temperature.		
<b>Molecular Weight</b> 60.0956			<b>Molecular Weight</b> 60.0956		
<b>Wiswesser Line Notation</b> Q3			<b>Wiswesser Line Notation</b> Q3		
<b>Evaluation</b> C			<b>Evaluation</b> B		
<b>C<sub>3</sub>H<sub>8</sub>O</b> (gls)		68COU/LEE	<b>C<sub>3</sub>H<sub>8</sub>O</b> (liq)		77VES/SVO
1-Propanol; n-Propyl alcohol			1-Propanol; n-Propyl alcohol		
<b>Heat Capacity</b> 150 K,	$C_p = 106.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K,	$C_p = 143.78 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 10 to 150 K.			One temperature.		
<b>Entropy</b> 150 K,	$S = 112.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Molecular Weight</b> 60.0956		
<b>Molecular Weight</b> 60.0956			<b>Wiswesser Line Notation</b> Q3		
<b>Wiswesser Line Notation</b> Q3			<b>Evaluation</b> B		
<b>Evaluation</b> A					
<b>C<sub>3</sub>H<sub>8</sub>O</b> (liq)		68COU/LEE	<b>C<sub>3</sub>H<sub>8</sub>O</b> (liq)		79GRI/YAN
1-Propanol; n-Propyl alcohol			1-Propanol; n-Propyl alcohol		
<b>Heat Capacity</b> 298.15 K,	$C_p = 143.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 303.4 K,	$C_p = 147.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 11 to 350 K.			Temperature range 303 to 463 K. p=0.98 bar.		
<b>Entropy</b> 298.15 K,	$S = 192.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Molecular Weight</b> 60.0956		
<b>Phase Changes</b>			<b>Wiswesser Line Notation</b> Q3		
c/liq 148.75 K,	$\Delta H = 5372 \text{ J} \cdot \text{mol}^{-1}$		<b>Evaluation</b> B		
<b>Molecular Weight</b> 60.0956	$\Delta S = 36.11 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$				
<b>Wiswesser Line Notation</b> Q3					
<b>Evaluation</b> A					
<b>C<sub>3</sub>H<sub>8</sub>O</b> (liq)		68REC	<b>C<sub>3</sub>H<sub>8</sub>O</b> (liq)		79GRI/YAN
1-Propanol; n-Propyl alcohol			2-Propanol; Isopropyl alcohol		
<b>Heat Capacity</b> 298 K,	$C_p = 146.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 311.6 K,	$C_p = 165.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 24 to 40 °C. equation only.			Temperature range 311 to 453 K. p=0.98 bar.		
<b>Molecular Weight</b> 60.0956			<b>Molecular Weight</b> 60.0956		
<b>Wiswesser Line Notation</b> Q3			<b>Wiswesser Line Notation</b> QY1&1		
<b>Evaluation</b> C			<b>Evaluation</b> B		
<b>C<sub>3</sub>H<sub>8</sub>O</b> (liq)		70PAZ/PAZ	<b>C<sub>3</sub>H<sub>8</sub>O</b> (liq)		79VES/ZAB
1-Propanol; n-Propyl alcohol			1-Propanol; n-Propyl alcohol		
<b>Heat Capacity</b> 313.2 K,	$C_p = 158.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K,	$C_p = 143.77 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
One temperature.			One temperature.		
<b>Molecular Weight</b> 60.0956			<b>Molecular Weight</b> 60.0956		
<b>Wiswesser Line Notation</b> Q3			<b>Wiswesser Line Notation</b> Q3		
<b>Evaluation</b> B			<b>Evaluation</b> B		
<b>C<sub>3</sub>H<sub>8</sub>O</b> (liq)			<b>C<sub>3</sub>H<sub>8</sub>O</b> (liq)		80KAL/JED
1-Propanol; n-Propyl alcohol			1-Propanol; n-Propyl alcohol		
<b>Heat Capacity</b> 298.216 K,	$C_p = 146.34 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298.216 K,	$C_p = 146.34 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 185 to 300 K. Unsmoothed experimental datum.			Temperature range 185 to 300 K. Unsmoothed experimental datum.		
<b>Molecular Weight</b> 60.0956			<b>Molecular Weight</b> 60.0956		
<b>Wiswesser Line Notation</b> Q3			<b>Wiswesser Line Notation</b> Q3		
<b>Evaluation</b> B			<b>Evaluation</b> B		

$\text{C}_3\text{H}_8\text{O}$ (liq)		81ARU/BAG	$\text{C}_3\text{H}_8\text{O}$ (liq)		25PAR
1-Propanol; n-Propyl alcohol			2-Propanol; Isopropyl alcohol		
<b>Heat Capacity</b> 293.15 K,	$C_p = 141.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 293.1 K,	$C_p = 152.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 293 to 353 K. $p=0.1 \text{ MPa}$ . Unsmoothed experimental datum given as 2.360 kJ/kg·K. $C_p$ given from 293.25 to 533.15 K for pressure range 10 to 60 MPa.			Temperature range 71 to 293 K. Value is unsmoothed experimental datum.		
<b>Molecular Weight</b> 60.0956			<b>Entropy</b> 298.1 K,	$S = 190.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Wiswesser Line Notation</b> Q3			Extrapolation below 90 K, $53.22 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .		
<b>Evaluation</b> B			<b>Phase Changes</b>		
			c/liq	$184.6 \text{ K}$ ,	$\Delta H = 5297 \text{ J} \cdot \text{mol}^{-1}$
					$\Delta S = 28.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
$\text{C}_3\text{H}_8\text{O}$ (liq)		82BEN/DAR	$\text{C}_3\text{H}_8\text{O}$ (liq)		28PAR
1-Propanol; n-Propyl alcohol			2-Propanol; Isopropyl alcohol		
<b>Heat Capacity</b> 288.15 K,	$C_p = 138.40 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 293.1 K,	$C_p = 151.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
One temperature.			Temperature range 71 to 293 K. Value is unsmoothed experimental datum.		
<b>Molecular Weight</b> 60.0956			<b>Entropy</b> 298.1 K,	$S = 192.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Wiswesser Line Notation</b> Q3			Extrapolation below 70 K, $43.56 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .		
<b>Evaluation</b> B			<b>Phase Changes</b>		
			c/liq	$184.6 \text{ K}$ ,	$\Delta H = 5301 \text{ J} \cdot \text{mol}^{-1}$
					$\Delta S = 28.72 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
$\text{C}_3\text{H}_8\text{O}$ (liq)		82VIL/CAS	$\text{C}_3\text{H}_8\text{O}$ (liq)		29K
1-Propanol; n-Propyl alcohol			2-Propanol; Isopropyl alcohol		
<b>Heat Capacity</b> 298.15 K,	$C_p = 146.88 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 292.84 K,	$C_p = 149.75 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
One temperature.			Temperature range 16 to 298 K. Value is unsmoothed experimental datum.		
<b>Molecular Weight</b> 60.0956			<b>Entropy</b> 298.15 K,	$S = 179.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Wiswesser Line Notation</b> Q3			<b>Phase Changes</b>		
<b>Evaluation</b> B			c/liq	$184.67 \text{ K}$ ,	$\Delta H = 5372 \text{ J} \cdot \text{mol}^{-1}$
					$\Delta S = 29.09 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
$\text{C}_3\text{H}_8\text{O}$ (liq)		84ZEG/SOM	$\text{C}_3\text{H}_8\text{O}$ (liq)		29PAR
1-Propanol; n-Propyl alcohol			2-Propanol; Isopropyl alcohol		
<b>Heat Capacity</b> 298.15 K,	$C_p = 144.44 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298.1 K,	$C_p = 180.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
One temperature.			Extrapolation below 90 K, $42.68 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .		
<b>Molecular Weight</b> 60.0956			<b>Molecular Weight</b> 60.0956		
<b>Wiswesser Line Notation</b> Q3			<b>Wiswesser Line Notation</b> QY1&1		
<b>Evaluation</b> B			<b>Evaluation</b> A		
$\text{C}_3\text{H}_8\text{O}$ (liq)		86KOR/KUK	$\text{C}_3\text{H}_8\text{O}$ (liq)		33TRE/
1-Propanol; n-Propyl alcohol			2-Propanol; Isopropyl alcohol		
<b>Heat Capacity</b> 298 K,	$C_p = 144.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298 K,	$C_p = 163.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
One temperature.			One temperature.		
<b>Molecular Weight</b> 60.0956			<b>Molecular Weight</b> 60.0956		
<b>Wiswesser Line Notation</b> Q3			<b>Wiswesser Line Notation</b> QY1&1		
<b>Evaluation</b> B			<b>Evaluation</b> C		
$\text{C}_3\text{H}_8\text{O}$ (liq)		86TAN/TOY	$\text{C}_3\text{H}_8\text{O}$ (liq)		
1-Propanol; n-Propyl alcohol			2-Propanol; Isopropyl alcohol		
<b>Heat Capacity</b> 298.15 K,	$C_p = 143.96 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 303 K,	$C_p = 172.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
One temperature.			One temperature.		
<b>Molecular Weight</b> 60.0956			<b>Molecular Weight</b> 60.0956		
<b>Wiswesser Line Notation</b> Q3			<b>Wiswesser Line Notation</b> QY1&1		
<b>Evaluation</b> A			<b>Evaluation</b> B		
$\text{C}_3\text{H}_8\text{O}$ (liq)		24WIL/DAN	$\text{C}_3\text{H}_8\text{O}$ (liq)		3
2-Propanol; Isopropyl alcohol			2-Propanol; Isopropyl alcohol		
<b>Heat Capacity</b> 303 K,	$C_p = 169.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 303.2 K,	$C_p = 172.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 303 to 323 K. Equation only.			One temperature.		
<b>Molecular Weight</b> 60.0956			<b>Molecular Weight</b> 60.0956		
<b>Wiswesser Line Notation</b> QY1&1			<b>Wiswesser Line Notation</b> QY1&1		
<b>Evaluation</b> C			<b>Evaluation</b> C		

$C_3H_8O$ (liq)		45ZHD	$C_3H_8O_2$ (liq)		1881REI
2-Propanol; Isopropyl alcohol			Methylal; 2,4-Dioxapentane; Formaldehyde, dimethylacetal;		
<b>Heat Capacity</b> 298.04 K,	$C_p = 159.99 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		Dimethoxymethane		
Temperature range 7 to 41 °C. Value is unsmoothed experimental datum.			<b>Heat Capacity</b> 298 K,	$C_p = 163.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Molecular Weight</b> 60.0956			Temperature range 289 to 323 K.		
<b>Wiswesser Line Notation</b> QY1&1			<b>Molecular Weight</b> 76.0950		
<b>Evaluation</b> C			<b>Wiswesser Line Notation</b> 1O1O1		
			<b>Evaluation</b> D		
$C_3H_8O$ (liq)		48GIN/COR	$C_3H_8O_2$ (liq)		64MCE/KIL
2-Propanol; Isopropyl alcohol			Methylal; 2,4-Dioxapentane; Formaldehyde, dimethylacetal;		
<b>Heat Capacity</b> 298 K,	$C_p = 154.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		Dimethoxymethane		
Temperature range 0 to 200 °C.			<b>Heat Capacity</b> 298.15 K,	$C_p = 161.42 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Molecular Weight</b> 60.0956			Temperature range 15 to 300 K.		
<b>Wiswesser Line Notation</b> QY1&1			<b>Entropy</b> 298.15 K,	$S = 244.01 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Evaluation</b> B			<b>Phase Changes</b>		
			c/liq	168.01 K,	$\Delta H = 8331.6 \text{ J} \cdot \text{mol}^{-1}$
$C_3H_8O$ (liq)		58SWI/ZIE2			$\Delta S = 49.59 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
2-Propanol; Isopropyl alcohol			liq/g	298.15 K,	$\Delta H = 28886 \text{ J} \cdot \text{mol}^{-1}$
<b>Heat Capacity</b> 324 K,	$C_p = 180.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$				$\Delta S = 96.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Mean value 21 to 81 °C.					P=53.14 kPa
<b>Molecular Weight</b> 60.0956					
<b>Wiswesser Line Notation</b> QY1&1			<b>Molecular Weight</b> 76.0950		
<b>Evaluation</b> C			<b>Wiswesser Line Notation</b> 1O1O1		
			<b>Evaluation</b> A		
$C_3H_8O$ (liq)		62KAT	$C_3H_8O_2$ (liq)		73KUS/SUU
2-Propanol; Isopropyl alcohol			3-Oxa-1-butanol; 2-Methoxyethanol		
<b>Heat Capacity</b> 298.2 K,	$C_p = 162.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K,	$C_p = 174.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 10 to 60 °C.			One temperature.		
<b>Molecular Weight</b> 60.0956			<b>Molecular Weight</b> 76.0950		
<b>Wiswesser Line Notation</b> QY1&1			<b>Wiswesser Line Notation</b> Q2O1		
<b>Evaluation</b> B			<b>Evaluation</b> B		
$C_3H_8O$ (liq)		63AND/COU2	$C_3H_8O_2$ (liq)		78ROU/PER
2-Propanol; Isopropyl alcohol			3-Oxa-1-butanol; 2-Methoxyethanol		
<b>Heat Capacity</b> 298.15 K,	$C_p = 154.43 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K,	$C_p = 176.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 10 to 330 K.			One temperature.		
<b>Entropy</b> 298.15 K,	$S = 180.58 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Molecular Weight</b> 76.0950		
<b>Phase Changes</b>			<b>Wiswesser Line Notation</b> Q2O1		
c/liq	185.20 K,		<b>Evaluation</b> C		
	$\Delta H = 5410 \text{ J} \cdot \text{mol}^{-1}$				
	$\Delta S = 29.21 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$				
<b>Molecular Weight</b> 60.0956					
<b>Wiswesser Line Notation</b> QY1&1					
<b>Evaluation</b> A					
$C_3H_8O$ (liq)		79BRO/ZIE	$C_3H_8O_2$ (liq)		91SVO/ZAB
2-Propanol; Isopropyl alcohol			3-Oxa-1-butanol; 2-Methoxyethanol		
<b>Heat Capacity</b> 298.15 K,	$C_p = 154.75 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K,	$C_p = 175.38 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 185 to 304 K. Results as equation only.			Temperature range 298 to 330 K. $C_p(\text{liq}) = 84.235 + 0.3057(T/\text{K}) \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ . $C_p$ value calculated from equation.		
<b>Molecular Weight</b> 60.0956			<b>Molecular Weight</b> 76.0950		
<b>Wiswesser Line Notation</b> QY1&1			<b>Wiswesser Line Notation</b> Q2O1		
<b>Evaluation</b> B			<b>Evaluation</b> B		
$C_3H_8O$ (liq)		80ROU/ROB	$C_3H_8O_2$ (liq)		27PAR/HUF
2-Propanol; Isopropyl alcohol			Propylene glycol; 1,2 Propanediol; 1,2-Dihydroxypropane		
<b>Heat Capacity</b> 298.15 K,	$C_p = 161.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 276.7 K,	$C_p = 180.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
One temperature.			Temperature range 91 to 277 K. Value is unsmoothed experimental datum.		
<b>Molecular Weight</b> 60.0956			<b>Molecular Weight</b> 76.0950		
<b>Wiswesser Line Notation</b> QY1&1			<b>Wiswesser Line Notation</b> QY1&1Q		
<b>Evaluation</b> B			<b>Evaluation</b> B		

$C_3H_8O_2$ (liq)		72KAW/OTA	$C_3H_8O_3$ (liq)		36ERN/W
Propylene glycol; 1,2-Propanediol; 1,2-Dihydroxypropane			1,2,3-Trihydroxypropane; 1,2,3-Propanetriol; Glycerol		
<b>Heat Capacity</b> 303 K.	$C_p=177.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298 K.	$C_p=213.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
One temperature.			One temperature.		
<b>Molecular Weight</b> 76.0950			<b>Molecular Weight</b> 92.0944		
<b>Wiswesser Line Notation</b> QY1&1Q			<b>Wiswesser Line Notation</b> Q1YQ1Q		
<b>Evaluation</b> B			<b>Evaluation</b> C		
$C_3H_8O_2$ (liq)		82ZAR	$C_3H_8O_3$ (c)		37AHL/B1
Propylene glycol; 1,2-Propanediol; 1,2-Dihydroxypropane			1,2,3-Trihydroxypropane; 1,2,3-Propanetriol; Glycerol		
<b>Heat Capacity</b> 298 K,	$C_p=189.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 86.92 K,	$C_p=49.79 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 298, 323, 363 K.			Temperature range 3 to 87 K. Value is unsmoothed experimental datum.		
<b>Molecular Weight</b> 76.0950			<b>Entropy</b> 90 K,	$S=37.87 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Wiswesser Line Notation</b> QY1&1Q			<b>Molecular Weight</b> 92.0944		
<b>Evaluation</b> B			<b>Wiswesser Line Notation</b> Q1YQ1Q		
 			<b>Evaluation</b> A		
$C_3H_8O_3$ (liq)		03MAG	$C_3H_8O_3$ (gls)		37AHL/B1
1,2,3-Trihydroxypropane; 1,2,3-Propanetriol; Glycerol			1,2,3-Trihydroxypropane; 1,2,3-Propanetriol; Glycerol		
<b>Heat Capacity</b> 298 K,	$C_p=221.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 85.12 K,	$C_p=50.21 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
One temperature. $C_p$ given as 0.576 cal. g <sup>-1</sup> . K <sup>-1</sup> .			Temperature range 2.3 to 95 K. Value is unsmoothed experimental datum.		
<b>Molecular Weight</b> 92.0944			<b>Entropy</b> 90 K,	$S=42.34 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Wiswesser Line Notation</b> Q1YQ1Q			Value $S - S_0$ ; zero point entropy calculated as 19.41 J · mol <sup>-1</sup> · K <sup>-1</sup> .		
<b>Evaluation</b> D			<b>Molecular Weight</b> 92.0944		
 			<b>Wiswesser Line Notation</b> Q1YQ1Q		
 			<b>Evaluation</b> A		
$C_3H_8O_3$ (liq)		22SIM	$C_3H_8O_3$ (liq)		44Y
1,2,3-Trihydroxypropane; 1,2,3-Propanetriol; Glycerol			1,2,3-Trihydroxypropane; 1,2,3-Propanetriol; Glycerol		
<b>Heat Capacity</b> 289.7 K,	$C_p=225.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Phase Changes</b>		
Temperature range 19 to 294 K. Value is unsmoothed experimental datum. $C_p$ also measured for glass.			c/liq	292 K,	$\Delta H=18303 \text{ J} \cdot \text{mol}^{-1}$
<b>Molecular Weight</b> 92.0944					$\Delta S=62.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b> Q1YQ1Q			<b>Molecular Weight</b> 92.0944		
<b>Evaluation</b> C	Contained 1.3% water. Mp 17 °C.		<b>Wiswesser Line Notation</b> Q1YQ1Q		
 			<b>Evaluation</b> B		
$C_3H_8O_3$ (liq)		23GIB/GIA	$C_3H_8O_3$ (liq)		62OM
1,2,3-Trihydroxypropane; 1,2,3-Propanetriol; Glycerol			1,2,3-Trihydroxypropane; 1,2,3-Propanetriol; Glycerol		
<b>Heat Capacity</b> 299.4 K,	$C_p=223.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 293.15 K,	$C_p=221.18 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 70.2 to 299.4 K. Value is unsmoothed experimental datum. $C_p$ also measured for glass.			Temperature range 273 to 523 K. A reexamination of the literature.		
<b>Phase Changes</b>			$C_p(\text{liq})=32.9+0.0761T-0.0000269T^2(T \text{ in } \text{K}) \text{ cal. mol}^{-1} \cdot \text{°C}^{-1}$ (0 to 250 °C).		
c/liq	291.0 K,	$\Delta H=18285 \text{ J} \cdot \text{mol}^{-1}$	<b>Molecular Weight</b> 92.0944		
		$\Delta S=62.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Wiswesser Line Notation</b> Q1YQ1Q		
<b>Molecular Weight</b> 92.0944			<b>Evaluation</b> A		
<b>Wiswesser Line Notation</b> Q1YQ1Q					
<b>Evaluation</b> B					
$C_3H_8O_3$ (liq)		29PAR/KEL	$C_3H_8O_3$ (liq)		62RAB/N
1,2,3-Trihydroxypropane; 1,2,3-Propanetriol; Glycerol			1,2,3-Trihydroxypropane; 1,2,3-Propanetriol; Glycerol		
<b>Heat Capacity</b> 298.1 K,	$C_p=207.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298 K,	$C_p=218.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Extrapolation below 90 K, 41.4 J · mol <sup>-1</sup> · K <sup>-1</sup> .			Temperature range 10 to 55 °C.		
<b>Molecular Weight</b> 92.0944			<b>Molecular Weight</b> 92.0944		
<b>Wiswesser Line Notation</b> Q1YQ1Q			<b>Wiswesser Line Notation</b> Q1YQ1Q		
<b>Evaluation</b> C			<b>Evaluation</b> B		
$C_3H_8O_3$ (c)		31VOL/MAR	$C_3H_8O_3$ (liq)		70PAZ/F
1,2,3-Trihydroxypropane; 1,2,3-Propanetriol; Glycerol			1,2,3-Trihydroxypropane; 1,2,3-Propanetriol; Glycerol		
<b>Heat Capacity</b> 279–284 K,	$C_p=150 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 301.2 K,	$C_p=221.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 279 to 284 K. $C_p$ measured for the solid phase is an average value over the temperature range.			Temperature range 28, 40 °C.		
<b>Phase Changes</b>			<b>Molecular Weight</b> 92.0944		
c/liq	291.75 K,	$\Delta H=18476 \text{ J} \cdot \text{mol}^{-1}$	<b>Wiswesser Line Notation</b> Q1YQ1Q		
<b>Molecular Weight</b> 92.0944			<b>Evaluation</b> B		
<b>Wiswesser Line Notation</b> Q1YQ1Q					
<b>Evaluation</b> C					

<b>C<sub>3</sub>H<sub>8</sub>O<sub>3</sub></b> (liq)	77MUR/SUB	<b>C<sub>3</sub>H<sub>8</sub>S</b> (liq)	54MCC/FIN2
1,2,3-Trihydroxypropane; 1,2,3-Propanetriol; Glycerol		2-Propanethiol; Isopropyl mercaptan	
<b>Heat Capacity</b> 298.15 K,	$C_p = 221.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p = 145.35 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
One temperature.		Temperature range 12 to 322 K.	
<b>Molecular Weight</b> 92.0944		<b>Entropy</b> 298.15 K,	$S = 233.55 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b> Q1YQ1Q		<b>Phase Changes</b>	
<b>Evaluation</b> B		c,II/c,I	112.5 K,
		c,I/liq	142.64 K,
		liq/g	325.72 K,
<b>C<sub>3</sub>H<sub>8</sub>O<sub>3</sub></b> (liq)	81ATA/ELS		
1,2,3-Trihydroxypropane; 1,2,3-Propanetriol; Glycerol			
<b>Heat Capacity</b> 293.15 K,	$C_p = 219.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
One temperature.			
<b>Molecular Weight</b> 92.0944		<b>Molecular Weight</b> 76.1562	
<b>Wiswesser Line Notation</b> Q1YQ1Q		<b>Wiswesser Line Notation</b> SHY1&1	
<b>Evaluation</b> B		<b>Evaluation</b> A	
<b>C<sub>3</sub>H<sub>8</sub>O<sub>3</sub></b> (liq)	82CHE/GE	(C <sub>3</sub> H <sub>8</sub> Si) <sub>n</sub> (liq)	78LEB/RAB3
1,2,3-Trihydroxypropane; 1,2,3-Propanetriol; Glycerol		Polydimethylsilamethylene	
<b>Heat Capacity</b> 313.15 K,	$C_p = 229.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p = 137.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 20 to 60 K. $C_p$ given as 2.49 kJ·kg <sup>-1</sup> ·C <sup>-1</sup> at 40 °C. $C_p$ at 25 °C estimated from graph to be ca. 2.43 kJ·kg <sup>-1</sup> ·C <sup>-1</sup> or 223 J·mol <sup>-1</sup> ·K <sup>-1</sup> .		Temperature range 60 to 330 K. Rubber like elastic state.	
<b>Molecular Weight</b> 92.0944		<b>Entropy</b> 298.15 K,	$S = 157.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b> Q1YQ1Q		<b>Phase Changes</b>	
<b>Evaluation</b> B		c/liq	266 K,
<b>C<sub>3</sub>H<sub>8</sub>O<sub>3</sub></b> (liq)	88BAS/NIL		
1,2,3-Trihydroxypropane; 1,2,3-Propanetriol; Glycerol			
<b>Heat Capacity</b> 298.15 K,	$C_p = 218.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b> 72.1817	
One temperature.		<b>Wiswesser Line Notation</b> /*-SI-1&1&1*/	
<b>Molecular Weight</b> 92.0944		<b>Evaluation</b> A	
<b>Wiswesser Line Notation</b> Q1YQ1Q		T(glass)=178 K.	
<b>Evaluation</b> A			
<b>C<sub>3</sub>H<sub>8</sub>S</b> (liq)	51SCO/FIN	C <sub>3</sub> H <sub>9</sub> Al (liq)	61MCC
Thiabutane; Ethyl methyl sulfide		Trimethylaluminum	
<b>Heat Capacity</b> 298.15 K,	$C_p = 144.64 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p = 155.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 14 to 298 K.		Temperature range 10 to 380 K.	
<b>Entropy</b> 298.15 K,	$S = 239.07 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Entropy</b> 298.15 K,	$S = 209.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Phase Changes</b>		<b>Phase Changes</b>	
c/liq	167.23 K,	c/liq	288.43 K,
	$\Delta H = 9761 \text{ J} \cdot \text{mol}^{-1}$		$\Delta H = 8790.6 \text{ J} \cdot \text{mol}^{-1}$
	$\Delta S = 58.37 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		$\Delta S = 30.48 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
liq/g	301.66 K,		
	$\Delta H = 31644 \text{ J} \cdot \text{mol}^{-1}$		
	$\Delta S = 104.90 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
	$P = 24.75 \text{ kPa}$		
<b>Molecular Weight</b> 76.1562		<b>Molecular Weight</b> 72.0856	
<b>Wiswesser Line Notation</b> 2S1		<b>Wiswesser Line Notation</b> 1-AL-1&1	
<b>Evaluation</b> A		<b>Evaluation</b> A	
<b>C<sub>3</sub>H<sub>8</sub>S</b> (liq)	56PEN/SCO	C <sub>3</sub> H <sub>9</sub> Al (liq)	63MCC/MES
1-Propanethiol; n-Propyl mercaptan		Trimethylaluminum	
<b>Heat Capacity</b> 298.15 K,	$C_p = 144.56 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p = 155.60 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 10 to 320 K.		Temperature range 10 to 380 K.	
<b>Entropy</b> 298.15 K,	$S = 242.50 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Entropy</b> 298.15 K,	$S = 209.41 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Phase Changes</b>		<b>Phase Changes</b>	
c,II/c,I	142.10 K,	c/liq	288.43 K,
	$\Delta H = 3971.0 \text{ J} \cdot \text{mol}^{-1}$		$\Delta H = 8790.6 \text{ J} \cdot \text{mol}^{-1}$
	$\Delta S = 27.95 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		$\Delta S = 30.48 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c,I/liq	160.00 K,		
	$\Delta H = 5476.9 \text{ J} \cdot \text{mol}^{-1}$		
	$\Delta S = 34.23 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
<b>Molecular Weight</b> 76.1562		<b>Molecular Weight</b> 72.0856	
<b>Wiswesser Line Notation</b> SH3		<b>Wiswesser Line Notation</b> 1-AL-1&1	
<b>Evaluation</b> A		<b>Evaluation</b> A	
<b>C<sub>3</sub>H<sub>9</sub>As</b> (liq)	88NIS/SHE	C <sub>3</sub> H <sub>9</sub> As (liq)	
Trimethylarsine		Trimethylarsine	
<b>Heat Capacity</b> 298.15 K,	$C_p = 154.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p = 154.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 13 to 310 K.		Temperature range 13 to 310 K.	
<b>Entropy</b> 298.15 K,	$S = 251.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Entropy</b> 298.15 K,	$S = 251.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Phase Changes</b>		<b>Phase Changes</b>	
c/liq	186.60 K,	c/liq	186.60 K,
	$\Delta H = 8962 \text{ J} \cdot \text{mol}^{-1}$		$\Delta H = 8962 \text{ J} \cdot \text{mol}^{-1}$
	$\Delta S = 48.03 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		$\Delta S = 48.03 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b> 120.0257		<b>Molecular Weight</b> 120.0257	
<b>Wiswesser Line Notation</b> 1-AS-1&1		<b>Wiswesser Line Notation</b> 1-AS-1&1	
<b>Evaluation</b> A		<b>Evaluation</b> A	

$C_3H_9B$ (liq)		54FUR/PAR	$C_3H_9In$ (c)	91URY/R
Trimethylborane			Trimethylindium	
<b>Heat Capacity</b>	210 K, Temperature range 15 to 220 K.	$C_p = 116.79 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	
<b>Entropy</b>	210 K,	$S = 198.95 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Temperature range 230 to 250 K and 355 to 408 K.	
<b>Phase Changes</b>			<b>Phase Changes</b>	
c/liq	113.21 K,	$\Delta H = 3250 \text{ J} \cdot \text{mol}^{-1}$	c/liq	358.7 K, $\Delta H = 14300 \text{ J} \cdot \text{mol}^{-1}$
liq/g	199.91 K,	$\Delta S = 28.71 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b>	159.9241
		$\Delta H = 23089 \text{ J} \cdot \text{mol}^{-1}$	<b>Wiswesser Line Notation</b>	1-IN-1&1
		$\Delta S = 115.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Evaluation</b>	B
		$P = 6.20 \text{ kPa}$		Anomaly in the temperature range 230 to 250 K.
<b>Molecular Weight</b>	55.9141			
<b>Wiswesser Line Notation</b>	1B1&1			
<b>Evaluation</b>	A			
$C_3H_9BO_3$ (liq)		59HAN/HUG	$C_3H_9N$ (liq)	44AST/S
Trimethyl borate			Trimethylamine	
<b>Heat Capacity</b>	298.15 K, $C_p = 189.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b>	280 K, $C_p = 132.55 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 273 to 453 K. $C_p(\text{liq}) = 0.75534 + 0.0012419t \text{ Btu/lb} \cdot ^\circ\text{C}$ (0 to 180 °C). $C_p$ value calculated from equation.			<b>Entropy</b>	276.03 K, $S = 197.82 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	103.9042		<b>Phase Changes</b>	
<b>Wiswesser Line Notation</b>			c/liq	156.08 K, $\Delta H = 6544 \text{ J} \cdot \text{mol}^{-1}$
<b>Evaluation</b>	A		liq/g	276.03 K, $\Delta S = 41.93 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
				$\Delta H = 22937 \text{ J} \cdot \text{mol}^{-1}$
				$\Delta S = 83.10 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
				$P = 101.325 \text{ kPa}$
<b>Molecular Weight</b>	59.1108			
<b>Wiswesser Line Notation</b>	1N1&1			
<b>Evaluation</b>	A			
$C_3H_9ClSi$ (liq)		71SAM/KOS	$C_3H_9N$ (liq)	67SMI/GC
Chlorotrimethylsilane			1-Aminopropane; n-Propylamine	
<b>Heat Capacity</b>	298.15 K, $C_p = 187.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b>	298.15 K, $C_p = 162.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 12.38 to 303.05 K. $C_p(\text{liq}) = 18.19046 + 0.077664T + 309052T^{-2}$ cal·mol <sup>-1</sup> ·deg <sup>-1</sup> . Value is calculated from equation. Deposited in VINITI, No 2501-71, 18 January 1971.			One temperature.	
<b>Entropy</b>	298.15 K, $S = 275.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Molecular Weight</b>	59.1108
<b>Phase Changes</b>			<b>Wiswesser Line Notation</b>	Z3
c,II/c,I	185.1 K, $\Delta H = 695 \text{ J} \cdot \text{mol}^{-1}$		<b>Evaluation</b>	B
	$\Delta S = 3.75 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
c,I/liq	217.97 K, $\Delta H = 9682 \text{ J} \cdot \text{mol}^{-1}$			
	$\Delta S = 44.39 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
<b>Molecular Weight</b>	108.6426			
<b>Wiswesser Line Notation</b>	G-SI-1&1&1			
<b>Evaluation</b>	B			
Debye temperature=115.8 K.				
$C_3H_9Ga$ (liq)		73MAS/NOV	$C_3H_9N$ (liq)	71VAS/
Trimethylgallium			1-Aminopropane; n-Propylamine	
<b>Heat Capacity</b>	298.15 K, $C_p = 178.87 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b>	298.15 K, $C_p = 166.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 60 to 300 K.			Temperature range 60 to 300 K. Details deposited VINITI, 2530-71, 30 Jan 1971.	
<b>Phase Changes</b>			<b>Entropy</b>	298.15 K, $S = 228.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c/liq	257.9 K, $\Delta H = 11046 \text{ J} \cdot \text{mol}^{-1}$		Extrapolation below 60 K, 26.7 J·mol <sup>-1</sup> ·K <sup>-1</sup> .	
	$\Delta S = 42.83 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Phase Changes</b>	
<b>Molecular Weight</b>	114.8241		c/liq	188.36 K, $\Delta H = 10625 \text{ J} \cdot \text{mol}^{-1}$
<b>Wiswesser Line Notation</b>	1-GA-1&1			$\Delta S = 56.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Evaluation</b>	B		<b>Molecular Weight</b>	59.1108
			<b>Wiswesser Line Notation</b>	Z3
			<b>Evaluation</b>	A(C <sub>p</sub> ,B(S))
$C_3H_9Ga$ (liq)		88LEB/SMI	$C_3H_9N$ (liq)	72FIN/I
Trimethylgallium			1-Aminopropane; n-Propylamine	
<b>Heat Capacity</b>	298.15 K, $C_p = 188.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b>	298.15 K, $C_p = 162.51 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 0 to 330 K.			Temperature range 12 to 350 K.	
<b>Entropy</b>	298.15 K, $S = 252.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Entropy</b>	298.15 K, $S = 227.44 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Phase Changes</b>			<b>Phase Changes</b>	
c,II/c,I	244.5 K, $\Delta H = 333 \text{ J} \cdot \text{mol}^{-1}$		c/liq	188.36 K, $\Delta H = 10974.2 \text{ J} \cdot \text{mol}^{-1}$
	$\Delta S = 1.36 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			$\Delta S = 58.26 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c,I/liq	257.81 K, $\Delta H = 10602 \text{ J} \cdot \text{mol}^{-1}$		<b>Molecular Weight</b>	59.1108
	$\Delta S = 41.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Wiswesser Line Notation</b>	Z3
<b>Molecular Weight</b>	114.8241		<b>Evaluation</b>	A
<b>Wiswesser Line Notation</b>	1-GA-1&1			
<b>Evaluation</b>	A			

<b>C<sub>3</sub>H<sub>9</sub>N</b> (liq)		50HOU/MAS	<b>C<sub>3</sub>H<sub>10</sub>N<sub>2</sub></b> (liq)	55AST/ZOL
2-Aminopropane; Isopropylamine			Trimethylhydrazine	
<b>Heat Capacity</b> 313 K,	$C_p=164.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 292.15 K,	$C_p=185.94 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 313 to 343 K.			Temperature range 12 to 294 K.	
<b>Molecular Weight</b> 59.1108			<b>Entropy</b> 292.15 K,	$S=231.96 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Wiswesser Line Notation</b> ZY1&1			<b>Phase Changes</b>	
<b>Evaluation</b> B			c/liq 201.24 K,	$\Delta H=9485 \text{ J}\cdot\text{mol}^{-1}$
			liq/g 292.15 K,	$\Delta S=47.13 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>C<sub>3</sub>H<sub>9</sub>N</b> (liq)		67SMI/GOO2		$\Delta H=33259 \text{ J}\cdot\text{mol}^{-1}$
2-Aminopropane; Isopropylamine				$\Delta S=113.84 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Heat Capacity</b> 298.15 K,	$C_p=165.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			P=19.83 kPa
One temperature.			<b>Molecular Weight</b> 74.1254	
<b>Molecular Weight</b> 59.1108			<b>Wiswesser Line Notation</b> 1N1&M1	
<b>Wiswesser Line Notation</b> ZY1&1			<b>Evaluation</b> A	
<b>Evaluation</b> B				Corrected for 2 mole % unsym-dimethylhydrazine.
<b>C<sub>3</sub>H<sub>9</sub>N</b> (liq)		71KON/WAD	<b>C<sub>3</sub>H<sub>10</sub>N<sub>2</sub></b> (liq)	75MES/FIN
2-Aminopropane; Isopropylamine			1,2-Diaminopropane; 1,2-Propanediamine	
<b>Heat Capacity</b> 298.15 K,	$C_p=164 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K,	$C_p=205.64 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
One temperature.			Temperature range 11 to 368 K.	
<b>Molecular Weight</b> 59.1108			<b>Entropy</b> 298.15 K,	$S=247.27 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Wiswesser Line Notation</b> ZY1&1			Includes 5.77 $\text{J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ for mixing of D and L isomers.	
<b>Evaluation</b> B			<b>Phase Changes</b>	
			c,II/c,I 222.0 K,	$\Delta H=67.4 \text{ J}\cdot\text{mol}^{-1}$
<b>C<sub>3</sub>H<sub>9</sub>N</b> (liq)		72FIN/MES		$\Delta S=0.304 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
2-Aminopropane; Isopropylamine			c,I/liq 236.53 K,	$\Delta H=18422.6 \text{ J}\cdot\text{mol}^{-1}$
<b>Heat Capacity</b> 298.15 K,	$C_p=163.85 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			$\Delta S=77.89 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 12 to 350 K.			<b>Molecular Weight</b> 74.1254	
<b>Entropy</b> 298.15 K,	$S=218.32 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Wiswesser Line Notation</b> ZY1&1Z	
<b>Phase Changes</b>			<b>Evaluation</b> A	
c/liq 177.99 K,	$\Delta H=7324.5 \text{ J}\cdot\text{mol}^{-1}$		<b>C<sub>3</sub>H<sub>10</sub>N<sub>2</sub>O<sub>3</sub></b> (c)	88SCH/EIS
	$\Delta S=41.15 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		Isopropylamine nitrate	
<b>Molecular Weight</b> 59.1108			<b>Phase Changes</b>	
<b>Wiswesser Line Notation</b> ZY1&1			c/liq 346.6 K,	$\Delta H=15876 \text{ J}\cdot\text{mol}^{-1}$
<b>Evaluation</b> A			<b>Molecular Weight</b> 122.1236	
<b>C<sub>3</sub>H<sub>10</sub>BrN</b> (c)		90GEN/LUB	<b>Wiswesser Line Notation</b> ZY1&1 &WNQ	
n-Propylammonium bromide			<b>Evaluation</b> A	
<b>Heat Capacity</b> 300 K,	$C_p=131.21 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>C<sub>3</sub>H<sub>12</sub>BN</b> (c,III)	70FIN/TOD
Temperature range 300 to 450 K. $C_p(c)=59.4+0.212T+9.12\times 10^{-5} T^2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ (300 to 450 K). $C_p$ value calculated from equation.			Trimethylamineborane	
<b>Phase Changes</b>			<b>Heat Capacity</b> 298.15 K,	$C_p=173.76 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c/liq 464.6 K,	$\Delta H=13340 \text{ J}\cdot\text{mol}^{-1}$		Temperature range 12 to 390 K.	
	$\Delta S=28.72 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Entropy</b> 298.15 K,	$S=169.58 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b> 140.0227			<b>Phase Changes</b>	
<b>Wiswesser Line Notation</b> Z3 &EH			c,III/c,II 350.1 K,	$\Delta H=2535 \text{ J}\cdot\text{mol}^{-1}$
<b>Evaluation</b> A				$\Delta S=7.24 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>C<sub>3</sub>H<sub>10</sub>CdCl<sub>3</sub>N</b> (c)		92HOU/DUN	c,II/c,I 360.4 K,	$\Delta H=594 \text{ J}\cdot\text{mol}^{-1}$
Trimethylammonium trichlorocadmate				$\Delta S=16.48 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Phase Changes</b>			c,I/liq 368.70 K,	$\Delta H=4947.2 \text{ J}\cdot\text{mol}^{-1}$
c,IV/c,III 333 K,	$\Delta H=150 \text{ J}\cdot\text{mol}^{-1}$			$\Delta S=13.42 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
	$\Delta S=0.45 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Molecular Weight</b> 72.9445	
c,III/c,II 365 K,	$\Delta H=420 \text{ J}\cdot\text{mol}^{-1}$		<b>Wiswesser Line Notation</b> 1N1&1 &BH <sub>HH</sub>	
	$\Delta S=1.15 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Evaluation</b> A	
c,II/c,I 408 K,	$\Delta H=35 \text{ J}\cdot\text{mol}^{-1}$		<b>C<sub>3</sub>H<sub>12</sub>CdCl<sub>4</sub>N<sub>2</sub></b> (c)	88ABE/CHH
	$\Delta S=0.086 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		Propyldiammonium cadmium tetrachloride	
<b>Molecular Weight</b> 278.8877			<b>Heat Capacity</b> 298.15 K,	$C_p=275.54 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Wiswesser Line Notation</b> 1N1&1 &GH .CD G2			Temperature range 10 to 320 K.	
<b>Evaluation</b> A			<b>Entropy</b> 298.15 K,	$S=351.94 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Only the transition at 333 K is reversible. It shows considerable thermal hysteresis.			<b>Molecular Weight</b> 330.3632	
			<b>Wiswesser Line Notation</b> Z3Z &GH 2 .CD G2	
			<b>Evaluation</b> A	
			Magnetic transition around 50 K	

$C_3H_{12}Cl_4MnN_2$ (c)	85CHH/BOC	$C_3LaN_3S_3 \cdot 7H_2O$ (c)	91TAN/l
Propyldiammonium manganese tetrachloride		Lanthanum isothiocyanate heptahydrate	
<b>Heat Capacity</b> 298.15 K, $C_p = 298.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K, $C_p = 537.07 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 10 to 310 K.		Temperature range 13 to 300 K.	
<b>Entropy</b> 298.15 K, $S = 357.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Entropy</b> 298.15 K, $S = 606.17 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Phase Changes</b>		<b>Molecular Weight</b> 439.2430	
c,III/c,II 307.6 K, $\Delta H = 710 \text{ J} \cdot \text{mol}^{-1}$		<b>Wiswesser Line Notation</b> SCN-LA-NCS&NCS &QH 7	
$\Delta S = 2.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Evaluation</b> A	
DSC study yields $\Delta\Delta H = 725 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ at 305 K.			
c,II/c,I 336 K, $\Delta H = 640 \text{ J} \cdot \text{mol}^{-1}$			
$\Delta S = 1.90 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
From DSC study.			
<b>Molecular Weight</b> 272.8912		$C_3N_3NdS_3 \cdot 7H_2O$ (c)	91TAN/l
<b>Wiswesser Line Notation</b> Z3Z &GH 2 .MN G2		Neodymium isothiocyanate heptahydrate	
<b>Evaluation</b> A		<b>Heat Capacity</b> 298.15 K, $C_p = 551.74 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
A magnetic transition is observed in the temperature range 45 to 65 K.		Temperature range 13 to 300 K.	
		<b>Entropy</b> 298.15 K, $S = 608.13 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
$C_3H_{12}N_6O_3$ (c)	40HUF/ELL	<b>Molecular Weight</b> 444.5795	
Guanidine carbonate		<b>Wiswesser Line Notation</b> SCN-ND-NCS&NCS &QH 7	
<b>Heat Capacity</b> 298.1 K, $C_p = 258.86 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Evaluation</b> A	
Temperature range 86 to 298 K. Value is unsmoothed experimental datum.			
<b>Entropy</b> 298.1 K, $S = 295.35 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		$C_3N_3PrS_3 \cdot 7H_2O$ (c)	91TAN/l
Extrapolation below 90 K, $93.35 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		Praseodymium isothiocyanate heptahydrate	
<b>Molecular Weight</b> 121.0956		<b>Heat Capacity</b> 298.15 K, $C_p = 540.80 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Wiswesser Line Notation</b> ZYZUM 2 &QVQ		Temperature range 13 to 300 K.	
<b>Evaluation</b> A( $C_p$ ), C(S)		<b>Entropy</b> 298.15 K, $S = 613.41 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
		<b>Molecular Weight</b> 441.2472	
		<b>Wiswesser Line Notation</b> SCN-PR-NCS&NCS &QH 7	
		<b>Evaluation</b> A	
$C_3H_{12}N_6S_3 \cdot CCl_4$ (c)	90SEK/MAT	$C_3N_3Sm \cdot 6H_2O$ (c)	91TAN/l
Thiourea carbon tetrachloride inclusion compound		Samarium isothiocyanate hexahydrate	
<b>Heat Capacity</b> 298.15 K, $C_p = 384.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K, $C_p = 465.92 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 15 to 300 K.		Temperature range 13 to 300 K.	
<b>Entropy</b> 298.15 K, $S = 546.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Entropy</b> 298.15 K, $S = 543.11 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Phase Changes</b>		<b>Molecular Weight</b> 432.7243	
c,III/c,II 41.3 K, $\Delta H = 149 \text{ J} \cdot \text{mol}^{-1}$		<b>Wiswesser Line Notation</b> SCN-SM-NCS&NCS &QH 6	
$\Delta S = 3.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Evaluation</b> A	
c,II/c,I 67.17 K, $\Delta H = 241 \text{ J} \cdot \text{mol}^{-1}$			
$\Delta S = 3.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
<b>Molecular Weight</b> 382.1710		$C_3N_3Yb \cdot 6H_2O$ (c)	91TAN/l
<b>Wiswesser Line Notation</b> ZYZUS 3 GXGGG		Ytterbium isothiocyanate hexahydrate	
<b>Evaluation</b> A		<b>Heat Capacity</b> 298.15 K, $C_p = 456.14 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
		Temperature range 13 to 300 K.	
		<b>Entropy</b> 298.15 K, $S = 521.86 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
$C_3H_{16}B_3N$ (c)	59LEV/WES	<b>Molecular Weight</b> 455.3643	
Trimethylamine-triborane		<b>Wiswesser Line Notation</b> SCN-YB-NCS&NCS &QH 6	
<b>Heat Capacity</b> 298.15 K, $C_p = 217.48 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Evaluation</b> A	
Temperature range 10 to 350 K.			
<b>Entropy</b> 298.15 K, $S = 228.43 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		$C_3N_3Y \cdot 6H_2O$ (c)	91TAN/l
<b>Phase Changes</b>		Yttrium isothiocyanate hexahydrate	
c,II/c,I 209.6 K, $\Delta H = 3528.8 \text{ J} \cdot \text{mol}^{-1}$		<b>Heat Capacity</b> 298.15 K, $C_p = 454.25 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
$\Delta S = 16.74 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		Temperature range 13 to 300 K.	
Lambda-type transition.		<b>Entropy</b> 298.15 K, $S = 511.57 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Molecular Weight</b> 98.5961		<b>Molecular Weight</b> 371.2302	
<b>Wiswesser Line Notation</b> 1N1&1 &B3H7		<b>Wiswesser Line Notation</b> SCN-Y-NCS&NCS &QH 6	
<b>Evaluation</b> A		<b>Evaluation</b> A	
$C_3H_{18}Bi_2Cl_9N_3$ (c)	92BEL/MOK		
Tris(methylammonium)nonachlorodibismuthate			
<b>Phase Changes</b>			
c,III/c,II 247 K, $\Delta H = 854 \text{ J} \cdot \text{mol}^{-1}$			
$\Delta S = 3.46 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
c,II/c,I 349 K			
<b>Molecular Weight</b> 833.2331			
<b>Wiswesser Line Notation</b> ZH&1 3 -BI- 2 Q 9			
<b>Evaluation</b> A			
		$C_4Br_2Cl_2F_6$ (liq)	88SVC
		<i>t,4-Dibromo-2,3-dichlorohexafluorobutane</i>	
		<b>Heat Capacity</b> 298.16 K, $C_p = 298.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
		Temperature range 298.15 to 318.15 K. $C_p (J \cdot n K^{-1}) = 215.6 + 0.278 (T/K)$ (298 to 318 K).	
		<b>Molecular Weight</b> 392.7484	
		<b>Wiswesser Line Notation</b> FXFEXGFXGFXFFE	
		<b>Evaluation</b> A	

<b>C<sub>4</sub>F<sub>8</sub></b> (liq)		54FUR/MCC	<b>C<sub>4</sub>H<sub>2</sub>O<sub>3</sub></b> (c)		78MAR/CIO2
Freon C318; Octafluorocyclobutane			Maleic anhydride		
<b>Heat Capacity</b>	268.52 K,	$C_p = 209.77 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p = 67.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 17 to 270 K. Value is unsmoothed experimental datum.			Temperature range 298 to 480 K.		
<b>Entropy</b>	261.25 K,	$S = 291.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Phase Changes</b>		
<b>Phase Changes</b>			c/liq	325.64 K,	$\Delta H = 12260 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 37.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Solid state transitions at 141.3 K, 174.6 K, 214.84 K, and 216.99 K. No enthalpies of transition reported, entropy changes calculated from integration of total heat input and temperature measurements. Anomalous heat capacity region about 97 K.					
c/I/liq	232.96 K,	$\Delta H = 2768.2 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 11.89 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
liq/g	261.25 K,	$\Delta H = 23721 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 90.80 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ $P = 78.78$			
<b>Molecular Weight</b>	200.0312				
<b>Wiswesser Line Notation</b>	L4TJ AF AF BF BF CF CF DF DF				
<b>Evaluation</b>	A				
<b>C<sub>4</sub>F<sub>8</sub></b> (liq)		82PON	<b>C<sub>4</sub>H<sub>2</sub>O<sub>3</sub></b> (c)		83DEW/DEK
Freon C318; Octafluorocyclobutane			Maleic anhydride		
<b>Heat Capacity</b>	296.41 K,	$C_p = 222.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	300 K,	$C_p = 119.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 240 to 340 K. Value is unsmoothed experimental datum: $C_p$ given as $1.112 \text{ J} \cdot \text{g}^{-1} \cdot \text{K}^{-1}$ .			Temperature range 90 to 350 K. Linearly extrapolated.		
<b>Molecular Weight</b>	200.0312		<b>Phase Changes</b>		
<b>Wiswesser Line Notation</b>	L4TJ AF AF BF BF CF CF DF DF		c/liq	325.72 K,	$\Delta H = 13550 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 41.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Evaluation</b>	B				
<b>C<sub>4</sub>F<sub>10</sub></b> (liq)		83CAM/DIA	<b>Molecular Weight</b>	98.0580	
n-Perfluorobutane			<b>Wiswesser Line Notation</b>	T5VOVJ	
<b>Heat Capacity</b>	293 K,	$C_p = 127.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Evaluation</b>	B	
Calculated value from Sargent, J.W. <i>et al.</i> , Amer. Soc. Test Mater. Spect. Tech. Bull. 346:51, 1964.					
<b>Molecular Weight</b>	238.0280		<b>C<sub>4</sub>H<sub>2</sub>O<sub>3</sub></b> (c)		83DEW/OFF
<b>Wiswesser Line Notation</b>	FXFFXFFXFFF		Maleic anhydride		
<b>Evaluation</b>	C		<b>Heat Capacity</b>	310 K,	$C_p = 123.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
			Temperature range 300 to 450 K.		
			<b>Phase Changes</b>		
			c/liq	325.3 K,	$\Delta H = 13600 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 41.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	98.0580				
<b>Wiswesser Line Notation</b>	T5VOVJ				
<b>Evaluation</b>	B				
<b>C<sub>4</sub>H<sub>2</sub>N<sub>2</sub>O<sub>4</sub></b> (c)		35STI/HUF	<b>C<sub>4</sub>H<sub>2</sub>O<sub>4</sub></b> (c,II)		79BAR/HEL
Alloxan			Squaric acid		
<b>Heat Capacity</b>	297.2 K,	$C_p = 153.01 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	300 K,	$C_p = 121 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 85 to 297 K. Value is unsmoothed experimental datum.			Temperature range 300 to 420 K. Data graphically only.		
<b>Entropy</b>	298.15 K,	$S = 153.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Phase Changes</b>		
Extrapolation below 90 K, 55.02 $\text{J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			c,II/c,I	373.57 K,	$\Delta H = 347 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 0.93 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	142.0708				
<b>Wiswesser Line Notation</b>	T6MVMVVVJ		<b>Molecular Weight</b>	114.0574	
<b>Evaluation</b>	B(C <sub>p</sub> ),C(S)		<b>Wiswesser Line Notation</b>	L4VVJ CQ DQ	
<b>C<sub>4</sub>H<sub>2</sub>O<sub>3</sub></b> (c)		52SPE/TAM	<b>Evaluation</b>	B	
Maleic anhydride					
<b>Phase Changes</b>			<b>C<sub>4</sub>H<sub>2</sub>O<sub>4</sub></b> (c)		83DEW/OFF
c/liq	325 K,	$\Delta H = 12930 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 39.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Squaric acid		
<b>Molecular Weight</b>	98.0580		<b>Heat Capacity</b>	315 K,	$C_p = 121.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b>	T5VOVJ		Temperature range 300 to 450 K.		
<b>Evaluation</b>	C		<b>Phase Changes</b>		
<b>C<sub>4</sub>H<sub>2</sub>O<sub>3</sub></b> (c)		57MAS	c,II/c,I	372.2 K,	$\Delta H = 300 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 0.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Maleic anhydride					
<b>Phase Changes</b>			<b>Molecular Weight</b>	114.0574	
c/liq	326.00 K,	$\Delta H = 13648 \text{ J} \cdot \text{mol}^{-1}$	<b>Wiswesser Line Notation</b>	L4VVJ CQ DQ	
<b>Molecular Weight</b>	98.0580		<b>Evaluation</b>	B	
<b>Wiswesser Line Notation</b>	T5VOVJ				
<b>Evaluation</b>	A				
<b>C<sub>4</sub>H<sub>2</sub>O<sub>3</sub></b> (c)			<b>C<sub>4</sub>H<sub>3</sub>BrS</b> (liq)		92GON/SZW
Maleic anhydride			2-Bromothiophene		
<b>Phase Changes</b>			<b>Phase Changes</b>		
c/liq	326.00 K,	$\Delta H = 13648 \text{ J} \cdot \text{mol}^{-1}$	c,III/liq	196.2 K,	$\Delta H = 6290 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 32.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	98.0580		c,II/liq	200.3 K,	$\Delta H = 6500 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 32.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b>	T5VOVJ		c,I/liq	203.9 K,	$\Delta H = 7580 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 37.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Evaluation</b>	A				
<b>Molecular Weight</b>	163.0317				
<b>Wiswesser Line Notation</b>	T5SJ BE				
<b>Evaluation</b>	A				

<b>C<sub>4</sub>H<sub>3</sub>BrS</b> (liq)		93FUJ/OGU	<b>C<sub>4</sub>H<sub>3</sub>O<sub>4</sub>K</b> (c)	88FUK/M
2-Bromothiophene			Potassium hydrogen trans-butenedioate; Potassium hydrogen fumarate	
<b>Heat Capacity</b>	298.15 K, Temperature range 4 to 300 K.	$C_p = 144.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K, $C_p = 156.44 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Entropy</b>	298.15 K,	$S = 219.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Temperature range</b>	13 to 300 K.
<b>Phase Changes</b>			<b>Entropy</b>	298.15 K, $S = 185.98 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c,II/c,I	55.3 K,	$\Delta H = 13.9 \text{ J} \cdot \text{mol}^{-1}$	<b>Molecular Weight</b>	154.1636
c,I/liq	205.30 K,	$\Delta S = 0.251 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Wiswesser Line Notation</b>	QV1U1VO & K -T
		$\Delta H = 7903 \text{ J} \cdot \text{mol}^{-1}$	<b>Evaluation</b>	A
<b>Molecular Weight</b>	163.0317	$\Delta S = 38.43 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
<b>Wiswesser Line Notation</b>	T5SJ BE			
<b>Evaluation</b>	A			
	T(glass)=120 K.			
<b>C<sub>4</sub>H<sub>3</sub>CIS</b> (liq)		93FUJ/OGU2	<b>C<sub>4</sub>H<sub>4</sub>KNaO<sub>6</sub>·4H<sub>2</sub>O</b> (c)	38HIC/H
2-Chlorothiophene			Sodium potassium tartrate tetrahydrate; Rochelle salt; Potassium sodium tartrate tetrahydrate	
<b>Heat Capacity</b>	298.15 K, Temperature range 5 to 300 K.	$C_p = 139.43 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	300 K, $C_p = 389.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Entropy</b>	298.15 K,	$S = 209.11 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Temperature range</b>	15 to 340 K.
<b>Phase Changes</b>			<b>Phase Changes</b>	
c/liq	201.30 K,	$\Delta H = 8966 \text{ J} \cdot \text{mol}^{-1}$	c,II/c,I	328.78 K, $\Delta H = 42752 \text{ J} \cdot \text{mol}^{-1}$
		$\Delta S = 44.54 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		$\Delta S = 130.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	118.5807		<b>Molecular Weight</b>	282.2209
<b>Wiswesser Line Notation</b>	T5SJ BG		<b>Wiswesser Line Notation</b>	OVYQQYQVO .K .NA & QH4
<b>Evaluation</b>	A		<b>Evaluation</b>	B
	T(glass)=164, 186 K.			
<b>C<sub>4</sub>H<sub>3</sub>Cl<sub>3</sub>OS</b> (liq)		80SHA/LYU	<b>C<sub>4</sub>H<sub>4</sub>KNaO<sub>6</sub>·4H<sub>2</sub>O</b> (c)	38I
Methyl trichlorothioacrylate			Sodium potassium tartrate tetrahydrate; Rochelle salt; Potassium sodium tartrate tetrahydrate	
<b>Heat Capacity</b>	298.15 K, Temperature range 15 to 330 K.	$C_p = 244.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K, $C_p = 385.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Entropy</b>	298.15 K,	$S = 324.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Temperature range</b>	243 to 303 K. $C_p(c) = 1.290 + 0.0031t/\text{K J/g}$ (243 to 303 K), large single crystals. $C_p(298.15 \text{ K}) = 387.8 \text{ J/mol}$
<b>Phase Changes</b>			$C_p = 1.289 + 0.0034t/\text{K J/g}$ (243 to 303 K), crystalline powder.	
c/liq	286.25 K,	$\Delta H = 20370 \text{ J} \cdot \text{mol}^{-1}$	<b>Molecular Weight</b>	282.2209
		$\Delta S = 71.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Wiswesser Line Notation</b>	OVYQQYQVO .K .NA & QH4
<b>Molecular Weight</b>	205.4861		<b>Evaluation</b>	B
<b>Wiswesser Line Notation</b>	GYGUYGV1			
<b>Evaluation</b>	A			
<b>C<sub>4</sub>H<sub>3</sub>Cu</b> (c)		82BYK/LEB	<b>C<sub>4</sub>H<sub>4</sub>KNaO<sub>6</sub>·4H<sub>2</sub>O</b> (c)	78TAT/M
Copper vinylacetylenide			Sodium potassium tartrate tetrahydrate; Rochelle salt; Potassium sodium tartrate tetrahydrate	
<b>Heat Capacity</b>	298.15 K, Temperature range 5 to 330 K.	$C_p = 109.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K, $C_p = 386.13 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Entropy</b>	298.15 K,	$S = 132.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Temperature range</b>	190 to 308 K.
<b>Molecular Weight</b>	114.6137		<b>Molecular Weight</b>	282.2209
<b>Wiswesser Line Notation</b>	-CU-1UU2U1		<b>Wiswesser Line Notation</b>	OVYQQYQVO .K .NA & QH4
<b>Evaluation</b>	A		<b>Evaluation</b>	A
<b>C<sub>4</sub>H<sub>3</sub>F<sub>5</sub>O<sub>3</sub></b> (liq)		84GOL/KOL	<b>C<sub>4</sub>H<sub>4</sub>KNaO<sub>6</sub>·4H<sub>2</sub>O</b> (c)	93DEY/S
$\alpha$ -(Trifluoromethoxy)- $\alpha$ , $\alpha$ -difluoromethyl acetate			Sodium potassium tartrate tetrahydrate; Rochelle salt; Potassium sodium tartrate tetrahydrate	
<b>Phase Changes</b>			<b>Phase Changes</b>	
c/liq	167.4 K,	$\Delta H = 8510 \text{ J} \cdot \text{mol}^{-1}$	c,IV/c,III	212 K
		$\Delta S = 50.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	c,III/c,II	256 K
<b>Molecular Weight</b>	194.0579		c,II/c,I	297 K
<b>Wiswesser Line Notation</b>	FXFFOXFFVO1		<b>Molecular Weight</b>	282.2209
<b>Evaluation</b>	A		<b>Wiswesser Line Notation</b>	OVYQQYQVO .K .NA & QH4
			<b>Evaluation</b>	A
			Anomalous transitions observed at three temperatures with positive directions of heat capacity peaks.	
<b>C<sub>4</sub>H<sub>3</sub>O<sub>4</sub>K</b> (c)		88FUK/MAT	<b>(C<sub>4</sub>H<sub>4</sub>NNaO<sub>3</sub>)<sub>n</sub></b> (c)	91
Potassium hydrogen cis-butenedioate; Potassium hydrogen maleate			Poly-L-aspartic acid, sodium salt	
<b>Heat Capacity</b>	298.15 K, Temperature range 13 to 300 K.	$C_p = 159.26 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	300 K, $C_p = 150.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Entropy</b>	298.15 K,	$S = 195.94 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Temperature range</b>	220 to 390 K.
<b>Molecular Weight</b>	154.1636		<b>Molecular Weight</b>	137.0703
<b>Wiswesser Line Notation</b>	QV1U1VO & K -C		<b>Wiswesser Line Notation</b>	/*V1YVO &-NA- &M*/ -L
<b>Evaluation</b>	A		<b>Evaluation</b>	B

<b>(C<sub>4</sub>H<sub>4</sub>NNaO<sub>3</sub>)<sub>n</sub></b> (c)	93ROL/XEN	<b>C<sub>4</sub>H<sub>4</sub>N<sub>2</sub>O<sub>3</sub></b> (c)	90SOL/KAB
Poly-L-aspartic acid, sodium salt		Barbituric acid	
<b>Heat Capacity</b> 300 K,	$C_p = 150.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p = 141.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 230 to 390 K.		Temperature range 10 to 450 K. $C_p(c) = 25.67 + 0.3361T + 3.382 \times 10^{-4}T^2 - 5.64 \times 10^{-7}T^3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ (200 to 450 K).	
<b>Molecular Weight</b> 137.0703		<b>Entropy</b> 298.15 K,	$S = 157.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b> /*V1YVO &-NA- &M*/ - L		<b>Molecular Weight</b> 128.0872	
<b>Evaluation</b> B		<b>Wiswesser Line Notation</b> T6VMVMV FHJ	
<b>C<sub>4</sub>H<sub>4</sub>N<sub>2</sub></b> (c,I)	63WUL/WES	<b>Evaluation</b> A	
Succinonitrile; 1,4-Butanedinitrile			
<b>Heat Capacity</b> 298.15 K,	$C_p = 145.60 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>C<sub>4</sub>H<sub>4</sub>Na<sub>2</sub>O<sub>4</sub></b> (c)	55STR/GAN
Temperature range 5 to 350 K.		Sodium succinate	
<b>Entropy</b> 298.15 K,	$S = 191.59 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 300.43 K,	$C_p = 172.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Phase Changes</b>		Temperature range 69.77 to 300.43 K. Unsmoothed experimental datum.	
c,II/c,I	233.3 K,	<b>Entropy</b> 298 K,	$S = 211.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c,I/liq	331.16 K,	<b>Molecular Weight</b> 162.0527	
		<b>Wiswesser Line Notation</b> OV2VO &-NA-2	
<b>Molecular Weight</b> 80.0890		<b>Evaluation</b> B	
<b>Wiswesser Line Notation</b> NC2CN			
<b>Evaluation</b> A			
<b>C<sub>4</sub>H<sub>4</sub>N<sub>2</sub></b> (c)	87RAI/SIN	<b>C<sub>4</sub>H<sub>4</sub>O</b> (liq)	52GUT/SCO
Succinonitrile; 1,4-Butanedinitrile		Furan	
<b>Phase Changes</b>		<b>Heat Capacity</b> 298.15 K,	$C_p = 114.56 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c/liq	334 K,	Temperature range 11 to 300 K.	
		<b>Entropy</b> 298.15 K,	$S = 176.65 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b> 80.0890		<b>Phase Changes</b>	
<b>Wiswesser Line Notation</b> NC2CN		c,II/c,I	$\Delta H = 2046.8 \text{ J} \cdot \text{mol}^{-1}$
<b>Evaluation</b> B		c,I/liq	$\Delta S = 13.65 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>C<sub>4</sub>H<sub>4</sub>N<sub>2</sub></b> (c,III)	79BOY/COM	liq/g	$\Delta H = 3802.4 \text{ J} \cdot \text{mol}^{-1}$
Pyrazine			$\Delta S = 20.27 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Heat Capacity</b> 298 K,	$C_p = 180 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		$\Delta H = 27451 \text{ J} \cdot \text{mol}^{-1}$
Temperature range 295 to 312 K. Data graphically only.			$\Delta S = 92.07 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Phase Changes</b>			$P = 79.934 \text{ kPa}$
c,III/c,II	300.6 K,	<b>Molecular Weight</b> 68.0750	
		<b>Wiswesser Line Notation</b> T5OJ	
c,II/c,I	310 K,	<b>Evaluation</b> A	
<b>Molecular Weight</b> 80.0890		<b>C<sub>4</sub>H<sub>4</sub>O<sub>4</sub></b> (c)	30PAR/HUF2
<b>Wiswesser Line Notation</b> T6N DNJ		cis-2-Butenedioic acid; Maleic acid	
<b>Evaluation</b> C( $C_p$ ), B(Phase changes)		<b>Heat Capacity</b> 294.4 K,	$C_p = 135.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>C<sub>4</sub>H<sub>4</sub>N<sub>2</sub>O<sub>2</sub></b> (c)	78KIL4	Temperature range 91 to 294 K. Value is unsmoothed experimental datum.	
Uracil		<b>Entropy</b> 298.15 K,	$S = 159.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Heat Capacity</b> 298 K,	$C_p = 120.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Extrapolation below 90 K, 50.63 $\text{J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .	
One temperature.		<b>Molecular Weight</b> 116.0732	
<b>Molecular Weight</b> 112.0878		<b>Wiswesser Line Notation</b> QV1U1VQ -C	
<b>Wiswesser Line Notation</b> T6VMVMV		<b>Evaluation</b> B( $C_p$ ), C(S)	
<b>Evaluation</b> B			
<b>C<sub>4</sub>H<sub>4</sub>N<sub>2</sub>O<sub>3</sub></b> (c)	85KOS/ISM	<b>C<sub>4</sub>H<sub>4</sub>O<sub>4</sub></b> (c)	30PAR/HUF2
Barbituric acid		trans-2-Butenedioic acid; Fumaric acid	
<b>Heat Capacity</b> 298.15 K,	$C_p = 141.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 297.1 K,	$C_p = 141.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 90 to 300 K.		Temperature range 91 to 297.1 K. Value is unsmoothed experimental datum.	
<b>Entropy</b> 298.15 K,	$S = 157.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Entropy</b> 298.15 K,	$S = 166.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Extrapolated below 90 K.		Extrapolation below 90 K, 51.51 $\text{J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .	
<b>Molecular Weight</b> 128.0872		<b>Molecular Weight</b> 116.0732	
<b>Wiswesser Line Notation</b> T6VMVMV FHJ		<b>Wiswesser Line Notation</b> QV1U1VQ -T	
<b>Evaluation</b> B( $C_p$ ), C(S)		<b>Evaluation</b> B( $C_p$ ), C(S)	

<b>C<sub>4</sub>H<sub>4</sub>O<sub>4</sub></b> (c,II)		77LEB/EVS2	<b>C<sub>4</sub>H<sub>4</sub>O<sub>4</sub></b> (c)		82LEB/K
Glycolide; 1,4-Dioxane-2,5-dione			Ethylene oxalate		
<b>Heat Capacity</b>	298.15 K, Temperature range 13.8 to 550 K.	$C_p = 133.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K, Temperature range 8 to 330 K.	$C_p = 141.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Entropy</b>	298.15 K,	$S = 157.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Entropy</b>	298.15 K,	$S = 158.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Phase Changes</b>			<b>Phase Changes</b>		
c,II/c,I	312.1 K,	$\Delta H = 1840 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 5.90 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	c/liq	415 K,	$\Delta H = 13400 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 32.29 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c,I/liq	356.2 K,	$\Delta H = 14800 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 41.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
<b>Molecular Weight</b>	116.0732		<b>Molecular Weight</b>	116.0732	
<b>Wiswesser Line Notation</b>	T6OV DOVTJ		<b>Wiswesser Line Notation</b>	T6OVVOTJ	
<b>Evaluation</b>	A		<b>Evaluation</b>	A	
<b>C<sub>4</sub>H<sub>4</sub>O<sub>4</sub></b> (c,II)		78EVS/BEL	<b>(C<sub>4</sub>H<sub>4</sub>O<sub>4</sub>)<sub>n</sub></b> (c)		77LEB/E
Glycolide; 1,4-Dioxane-2,5-dione			Polyglycolide		
<b>Heat Capacity</b>	298.15 K, Temperature range 14 to 350 K. Complete data deposited in VINITI, No. 2144-77, 2 June 1977.	$C_p = 133.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K, Temperature range 13.8 to 550 K.	$C_p = 130.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Entropy</b>	298.15 K,	$S = 157.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Entropy</b>	298.15 K,	$S = 150.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Phase Changes</b>			<b>Phase Changes</b>		
c,II/c,I	312.1 K,	$\Delta H = 1810 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 5.80 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	c/liq	501 K,	$\Delta H = 23500 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 47 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c,I/liq	356.2 K,	$\Delta H = 14800 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 41.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
<b>Molecular Weight</b>	116.0732		<b>Molecular Weight</b>	116.0732	
<b>Wiswesser Line Notation</b>	T6OV DOVTJ		<b>Wiswesser Line Notation</b>	/V1OV1O*/	
<b>Evaluation</b>	B		<b>Evaluation</b>	A	
			T(glass)=318 K.		
<b>C<sub>4</sub>H<sub>4</sub>O<sub>4</sub></b> (c,II)		78LEB/YEV	<b>(C<sub>4</sub>H<sub>4</sub>O<sub>4</sub>)<sub>n</sub></b> (gls)		78LEB/
Glycolide; 1,4-Dioxane-2,5-dione			Polyglycolide		
<b>Heat Capacity</b>	298.15 K, Temperature range 13.8 to 550 K.	$C_p = 133.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K, Temperature range 13.8 to 550 K.	$C_p = 136.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Entropy</b>	298.15 K,	$S = 157.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Entropy</b>	298.15 K,	$S = 151.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Phase Changes</b>			<b>Phase Changes</b>		
c,II/c,I	312.1 K,	$\Delta H = 1810 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 5.80 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	c/liq	501 K,	$\Delta H = 23500 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 47 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c,I/liq	356.2 K,	$\Delta H = 14800 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 41.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
<b>Molecular Weight</b>	116.0732		<b>Molecular Weight</b>	116.0732	
<b>Wiswesser Line Notation</b>	T6OV DOVTJ		<b>Wiswesser Line Notation</b>	/V1OV1O*/	
<b>Evaluation</b>	A		<b>Evaluation</b>	A	
			T(glass)=318 K.		
<b>C<sub>4</sub>H<sub>4</sub>O<sub>4</sub></b> (c,II)		88LEB/KUL	<b>(C<sub>4</sub>H<sub>4</sub>O<sub>4</sub>)<sub>n</sub></b> (gls)		82LEB/F
Glycolide; 1,4-Dioxane-2,5-dione			Polyethylene oxalate		
<b>Heat Capacity</b>	298.15 K, Temperature range 13.8 to 400 K.	$C_p = 133.28 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K, Temperature range 8 to 360 K.	$C_p = 129.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Entropy</b>	298.15 K,	$S = 157.23 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Entropy</b>	298.15 K,	$S = 163.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Phase Changes</b>			<b>Molecular Weight</b>	116.0732	
c,II/c,I	312.1 K,	$\Delta H = 1840.0 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 5.90 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Wiswesser Line Notation</b>	/VVO2O*/	
c,I/liq	356.2 K,	$\Delta H = 14800 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 41.49 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Evaluation</b>	A	
			T(glass)=306 K.		
<b>C<sub>4</sub>H<sub>4</sub>O<sub>4</sub></b> (c)			<b>C<sub>4</sub>H<sub>4</sub>S</b> (liq)		34JAC
Ethylene oxalate			Thiophene		
<b>Heat Capacity</b>	298.15 K, Temperature range 8 to 330 K.	$C_p = 141.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	289.3 K,	$C_p = 123.22 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Entropy</b>	298.15 K,	$S = 149.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Entropy</b>	298.1 K,	$S = 176.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	116.0732				
<b>Wiswesser Line Notation</b>	T6OV DOVTJ				
<b>Evaluation</b>	A				
<b>C<sub>4</sub>H<sub>4</sub>O<sub>4</sub></b> (c)		82LEB/KUL	<b>Phase Changes</b>		
Ethylene oxalate			c,II/c,I	171.1 K,	$\Delta H = 1209 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 7.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Heat Capacity</b>	298.15 K, Temperature range 8 to 330 K.	$C_p = 141.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	c,I/liq	233.7 K,	$\Delta H = 4966 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 21.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Entropy</b>	298.15 K,	$S = 149.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
<b>Molecular Weight</b>	116.0732				
<b>Wiswesser Line Notation</b>	T6OVVOTJ				
<b>Evaluation</b>	A				

$C_4H_4S$ (liq)		49WAD/KNO	$C_4H_4Se$ (liq)		91DWO/SZW
Thiophene			Selenophene		
<b>Heat Capacity</b>	297.45 K,	$C_p = 123.85 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Phase Changes</b>		
Temperature range 11 to 336 K. Value is unsmoothed experimental datum.			c,III/c,II	122.7 K,	$\Delta H = 304 \text{ J} \cdot \text{mol}^{-1}$
<b>Entropy</b>	298.15 K,	$S = 181.17 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	c,II/c,I	192.8 K,	$\Delta S = 2.48 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Phase Changes</b>	c,II/c,I	$\Delta H = 637.6 \text{ J} \cdot \text{mol}^{-1}$	c,I/liq	240.2 K,	$\Delta H = 1106 \text{ J} \cdot \text{mol}^{-1}$
c,II/c,I	171.6 K,	$\Delta S = 3.72 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	c,I3/c,I2	125.54 K,	$\Delta S = 5.73 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Anomalous heat capacity 100 to 150 K. Apparently two second order transitions at about 112, 138 K, with small energies involved.			Metastable phase.		$\Delta H = 4584 \text{ J} \cdot \text{mol}^{-1}$
c,I/liq	234.95 K,	$\Delta H = 5086.1 \text{ J} \cdot \text{mol}^{-1}$	c,I2/c,II	155.4 K,	$\Delta S = 19.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
		$\Delta S = 21.65 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			$\Delta H = 702 \text{ J} \cdot \text{mol}^{-1}$
					$\Delta S = 5.59 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	84.1356				
<b>Wiswesser Line Notation</b>	T5SJ				
<b>Evaluation</b>	A				
$C_4H_4S$ (c)		82AND/DWO	 		
Thiophene					
<b>Heat Capacity</b>			$C_4H_4ClHgN_3$ (c)		91ZAN/CHA
Temperature range 50 to 200 K. Data graphically only in the region of the phase transitions.			Ethyldiammonium dicyanochloromercurate (II)		
<b>Phase Changes</b>			<b>Phase Changes</b>		
c,V/c,IV	111.3 K		c,II/c,I	252 K,	$\Delta H = 2650 \text{ J} \cdot \text{mol}^{-1}$
c,IV/c,III	136.8 K		<b>Molecular Weight</b>	331.1466	
c,III/c,II	170.5 K		<b>Wiswesser Line Notation</b>	2ZH .HG CN 2 G	
c,II/c,I	174.5 K		<b>Evaluation</b>	A	
<b>Molecular Weight</b>	84.1356				
<b>Wiswesser Line Notation</b>	T5SJ				
<b>Evaluation</b>	A				
$C_4H_4S$ (c)		84FIG/SZW	$C_4H_5ClO_2$ (c)		28SKA/SAX
Thiophene			cis-3-Chloro-2-butenoic acid; $\beta$ -Chloroisocrotonic acid		
<b>Heat Capacity</b>			<b>Heat Capacity</b>	298 K, $C_p = 140.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 14 to 300 K. Data given graphically only.			Temperature range 295 to 394 K. Equations only.		
<b>Phase Changes</b>			<b>Phase Changes</b>		
c,V'/c,IV'	90.76 K		c/liq	333.7 K,	$\Delta H = 13810 \text{ J} \cdot \text{mol}^{-1}$
Metastable transition.					$\Delta S = 41.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c,IV'/c,III'	139.2 K		<b>Molecular Weight</b>	120.5353	
Metastable transition.			<b>Wiswesser Line Notation</b>	QV1UYG1 -C	
c,V/c,IV	112.35 K		<b>Evaluation</b>	C	
c,IV/c,III	138.5 K				
c,III/c,II	170.70 K				
c,II/c,I	175.03 K				
c,I/liq	235.03 K				
<b>Molecular Weight</b>	84.1356				
<b>Wiswesser Line Notation</b>	T5SJ				
<b>Evaluation</b>	A				
$C_4H_4S$ (liq)		85FIG/SZW	$C_4H_5ClO_2$ (c)		28SKA/SAX
Thiophene			trans-3-Chloro-2-butenoic acid; $\beta$ -Chloroisocrotonic acid		
<b>Heat Capacity</b>	298.14 K, $C_p = 122.40 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b>	298 K, $C_p = 159.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 13 to 300 K. Value is unsmoothed experimental datum.			Temperature range 295 to 394 K. Equations only.		
<b>Entropy</b>	298.15 K, $S = 181.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Phase Changes</b>		
<b>Phase Changes</b>			c/liq	366.8 K,	$\Delta H = 20710 \text{ J} \cdot \text{mol}^{-1}$
c,V/c,III	44–170 K, $\Delta H = 428 \text{ J} \cdot \text{mol}^{-1}$				$\Delta S = 56.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
	$\Delta S = 4.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Molecular Weight</b>	120.5353	
c,III/c,II	170.70 K, $\Delta H = 809.7 \text{ J} \cdot \text{mol}^{-1}$		<b>Wiswesser Line Notation</b>	QV1UYG1 -T	
	$\Delta S = 4.74 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Evaluation</b>	C	
c,II'/c,I	37–216 K, $\Delta H = 1836 \text{ J} \cdot \text{mol}^{-1}$				
	$\Delta S = 15.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$				
c,II''/c,II'/c,II/c,I	235.02 K, $\Delta H = 5040 \text{ J} \cdot \text{mol}^{-1}$				
	$\Delta S = 21.43 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$				
<b>Molecular Weight</b>	84.1356				
<b>Wiswesser Line Notation</b>	T5SJ				
<b>Evaluation</b>	A				
$C_4H_5ClO_3$ (liq)		76MAS/PET	$C_4H_5ClO_3$ (liq)		
4-Chloromethyl-1,3-dioxolan-2-one			4-Chloromethyl-1,3-dioxolan-2-one		
<b>Heat Capacity</b>	298 K, $C_p = 248 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b>	298 K, $C_p = 248 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 200 to 320 K. Data graphically only. Value estimated from graph.			Temperature range 200 to 320 K. Data graphically only. Value estimated from graph.		
<b>Molecular Weight</b>	136.5347		<b>Molecular Weight</b>	136.5347	
<b>Wiswesser Line Notation</b>	T5OVOTJ D1G		<b>Wiswesser Line Notation</b>	T5OVOTJ D1G	
<b>Evaluation</b>	D				
$C_4H_5Cl_3O$ (liq)		1881REI	$C_4H_5Cl_3O$ (liq)		
2,2,3-Trichlorobutanal; Butylchloral			2,2,3-Trichlorobutanal; Butylchloral		
<b>Heat Capacity</b>	298 K, $C_p = 241.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b>	298 K, $C_p = 241.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 291 to 457 K.			Temperature range 291 to 457 K.		
<b>Molecular Weight</b>	175.4419		<b>Molecular Weight</b>	175.4419	
<b>Wiswesser Line Notation</b>	VHXGGYGY1		<b>Wiswesser Line Notation</b>	VHXGGYGY1	
<b>Evaluation</b>	D				

$C_4H_5Cl_3O_2$ (liq)		1881REI	$C_4H_5NO_2$ (c)		89STE/C
Ethyltrichloroacetate			Succinimide		
<b>Heat Capacity</b>	298 K,	$C_p = 230.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p = 123.88 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 289 to 457 K.			Temperature range 305 to 495 K. $C_{sat}/R(c) = 0.0438T + 1.87$ (30		
<b>Molecular Weight</b>	191.4413		355 K); $C_{sat}/R(\text{liq}) = 0.0265T + 13.38$ (405 to 495 K).		
<b>Wiswesser Line Notation</b>	GXGGVO2		<b>Phase Changes</b>		
<b>Evaluation</b>	D		c/liq	400 K,	$\Delta H = 17000 \text{ J} \cdot \text{mol}^{-1}$
$C_4H_5N$ (liq)		71HAL/BAL	<b>Molecular Weight</b>	99.0890	
Cyclopropyl cyanide; Cyanocyclopropane			<b>Wiswesser Line Notation</b>	T6VMVTJ	
<b>Heat Capacity</b>	297 K,	$C_p = 115.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Evaluation</b>	B	
One temperature.					
<b>Molecular Weight</b>	67.0902				
<b>Wiswesser Line Notation</b>	L3TJ ACN				
<b>Evaluation</b>	C				
$C_4H_5N$ (liq)		87MIR/SHA	$C_4H_5NS$ (liq)		36KUR/C
2-Methylpropenenitrile; Methacrylonitrile			Allyl isothiocyanate		
<b>Heat Capacity</b>	298.15 K,	$C_p = 126.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	290 K,	$C_p = 156.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 253 to 353 K. Unsmoothed experimental datum			One temperature.		
given as $1.863 \text{ kJ/kg} \cdot \text{K}$ at 293 K. $C_p(\text{liq}) = 2.2117 + 0.0056352T/K$					
+ $1.52 \times 10^{-5}T^2/K^2 \text{ kJ/kg} \cdot \text{K}$ (253 to 353 K). Note, second coefficient					
should be negative.					
<b>Molecular Weight</b>	67.0902		<b>Molecular Weight</b>	99.1502	
<b>Wiswesser Line Notation</b>	NCY1&U1		<b>Wiswesser Line Notation</b>	SCN2U1	
<b>Evaluation</b>	C		<b>Evaluation</b>	D	
$C_4H_5N$ (liq)		67SCO/BER	$C_4H_5NS$ (liq)		68GOU/C
Pyrrole			2-Methylthiazole		
<b>Heat Capacity</b>	298.15 K,	$C_p = 127.74 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p = 150.67 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 11 to 365 K.			Temperature range 5 to 340 K.		
<b>Entropy</b>	298.15 K,	$S = 156.44 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Entropy</b>	298.15 K,	$S = 211.88 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Phase Changes</b>			<b>Phase Changes</b>		
c/liq	249.74 K,	$\Delta H = 7907.8 \text{ J} \cdot \text{mol}^{-1}$	c,I/liq	248.42 K,	$\Delta H = 12163 \text{ J} \cdot \text{mol}^{-1}$
		$\Delta S = 31.66 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	c,II/liq	246.5 K,	$\Delta S = 48.96 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	67.0902				$\Delta H = 11347 \text{ J} \cdot \text{mol}^{-1}$
<b>Wiswesser Line Notation</b>	T5MJ				$\Delta S = 46.03 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Evaluation</b>	A				
$C_4H_5NO$ (liq)		79DZH/KAR	$C_4H_5NS$ (liq)		68GOU/V
$\beta$ -Cyanopropionaldehyde			2-Methylthiazole		
<b>Heat Capacity</b>	300 K,	$C_p = 195.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p = 150.67 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 55 to 300 K.			Temperature range 15 to 298 K.		
<b>Phase Changes</b>			<b>Entropy</b>	298.15 K,	$S = 211.88 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c,II/c,I	140 K		<b>Phase Changes</b>		
c,I/liq	230 K		c,I/liq	248.43 K,	$\Delta H = 12162.5 \text{ J} \cdot \text{mol}^{-1}$
<b>Molecular Weight</b>	83.0896		c,II/liq	246.53 K,	$\Delta S = 48.96 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b>	VH2CN				$\Delta H = 11349.9 \text{ J} \cdot \text{mol}^{-1}$
<b>Evaluation</b>	C				$\Delta S = 46.04 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
$C_4H_5NO$ (liq)		81MUS/GAN	<b>Molecular Weight</b>	99.1502	
$\alpha$ -Cyanopropionaldehyde			<b>Wiswesser Line Notation</b>	T5N CSJ B1	
<b>Heat Capacity</b>	300 K,	$C_p = 169.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Evaluation</b>	A	
Temperature range 220 to 370 K. $C_p$ given as $2040 \text{ J} \cdot \text{kg}^{-1} \cdot \text{deg}^{-1}$ .					
<b>Molecular Weight</b>	83.0896				
<b>Wiswesser Line Notation</b>	VHY1&CN				
<b>Evaluation</b>	C				
$C_4H_5NO_2$ (c)		41SAT/SOG4	$C_4H_5NS$ (liq)		69SOTB
Succinimide			2-Methylthiazole		
<b>Heat Capacity</b>	323 K,	$C_p = 131.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p = 150.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 0 to 100 °C. Mean value.			Temperature range 5 to 300 K.		
<b>Molecular Weight</b>	99.0890		<b>Entropy</b>	298.15 K,	$S = 211.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b>	T6VMVTJ		<b>Phase Changes</b>		
<b>Evaluation</b>	C		c,I/liq	248.43 K,	$\Delta H = 12159 \text{ J} \cdot \text{mol}^{-1}$
			c,II/liq	246.5 K,	$\Delta S = 48.94 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Same data in 40SAT/SOG5.					$\Delta H = 11351 \text{ J} \cdot \text{mol}^{-1}$
					$\Delta S = 46.05 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$

<b>C<sub>4</sub>H<sub>5</sub>N<sub>3</sub>O</b> (c)		78KIL3	<b>C<sub>4</sub>H<sub>6</sub></b> (liq)		50AST/MAS
Cytosine			1-Butyne		
<b>Heat Capacity</b>	298 K, One temperature.	$C_p = 132.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	280 K, Temperature range 13 to 280 K.	$C_p = 132.42 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	111.1030		<b>Entropy</b>	281.23 K,	$S = 197.48 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b>	T6MVNJ DZ		<b>Phase Changes</b>	c/liq	$\Delta H = 6029.1 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 40.89 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ $\Delta H = 24522 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 87.20 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ $P = 101.325 \text{ kPa}$
<b>Evaluation</b>	B		liq/g	281.23 K,	
<b>C<sub>4</sub>H<sub>6</sub></b> (liq)		45SCO/MEY	<b>Molecular Weight</b>	54.0914	
1,3-Butadiene			<b>Wiswesser Line Notation</b>	3UU1	
<b>Heat Capacity</b>	298.15 K, Temperature range 15 to 303 K.	$C_p = 123.65 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Evaluation</b>	A	
<b>Entropy</b>	298.15 K, At vapor pressure of 2105 Torr.	$S = 199.00 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	 		
<b>Phase Changes</b>			 		
c/liq	164.24 K,	$\Delta H = 7983.9 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 48.61 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>(C<sub>4</sub>H<sub>6</sub>)<sub>n</sub></b> (liq)		53FUR/MCC2
liq/g	273.15 K,	$\Delta H = 81.41 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 280.64 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ $P = 119.95 \text{ kPa}$	<b>1,4-Polybutadiene, MS-1045</b>		
<b>Molecular Weight</b>	54.0914		<b>Heat Capacity</b>	300 K, Temperature range 5 to 330 K.	$C_p = 106.56 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b>	1U2U1		<b>Molecular Weight</b>	54.0914	
<b>Evaluation</b>	A		<b>Wiswesser Line Notation</b>	/*2U2*/	
 			<b>Evaluation</b>	A	
 			T(glass)=195 K.		
<b>C<sub>4</sub>H<sub>6</sub></b> (liq)		47AST/SZA	 		
1,2-Butadiene			 		
<b>Heat Capacity</b>	290 K, Temperature range 14 to 282 K.	$C_p = 122.80 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>(C<sub>4</sub>H<sub>6</sub>)<sub>n</sub></b> (liq)		53FUR/MCC2
<b>Entropy</b>	290 K,	$S = 206.19 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>1,4-Polybutadiene, GL-657</b>		
<b>Phase Changes</b>			<b>Heat Capacity</b>	298.15 K, Temperature range 5 to 330 K.	$C_p = 105.64 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c/liq	136.92 K,	$\Delta H = 6961.3 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 50.84 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Entropy</b>	298.15 K,	$S = 110.35 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
liq/g	273.24 K,	$\Delta H = 24623 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 90.11 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ $P = 66.41 \text{ kPa}$	<b>Molecular Weight</b>	54.0914	
<b>Molecular Weight</b>	54.0914		<b>Wiswesser Line Notation</b>	/*2U2*/	
<b>Wiswesser Line Notation</b>	2UCU1		<b>Evaluation</b>	A	
<b>Evaluation</b>	A		T(glass)=187 K.		
Values of S and $C_p$ for liquid for saturation vapor pressure.			 		
<b>C<sub>4</sub>H<sub>6</sub></b> (liq)		40OSB/GAR	 		
2-Butyne; Dimethylacetylene			 		
<b>Phase Changes</b>			<b>(C<sub>4</sub>H<sub>6</sub>)<sub>n</sub></b> (liq)		62DAI/EVA5
c/liq	240.93 K,	$\Delta H = 9232.8 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 38.33 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>cis-1,4-Polybutadiene</b>		
liq/g	291.00 K,	$\Delta H = 26945 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 92.59 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K, Temperature range 20 to 310 K.	$C_p = 100.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	54.0914		<b>Entropy</b>	298.15 K,	$S = 115.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b>	2UU2		<b>Phase Changes</b>		
<b>Evaluation</b>	A		c,I/gls	165 K	
			c,I/liq	262 K,	$\Delta H = 3953 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 15.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	54.0914		<b>Molecular Weight</b>	54.0914	
<b>Wiswesser Line Notation</b>	2UU2		<b>Wiswesser Line Notation</b>	/*2U2*/ -C	
<b>Evaluation</b>	A		<b>Evaluation</b>	B	
<b>C<sub>4</sub>H<sub>6</sub></b> (liq)		41YOS/OSB	 		
2-Butyne; Dimethylacetylene			 		
<b>Heat Capacity</b>	290 K, Temperature range 15 to 290 K.	$C_p = 124.14 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>(C<sub>4</sub>H<sub>6</sub>)<sub>n</sub></b> (liq)		86GRE/AYC
<b>Entropy</b>	298.15 K, Extrapolated from 291.0 K. Anomalous heat capacity between 145 and 160 K. $\Delta S$ obtained from total energy divided by average temperature.	$S = 195.10 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>cis-1,4-Polybutadiene</b>		
<b>Phase Changes</b>			<b>Heat Capacity</b>	298.2 K, Temperature range 10 to 350 K.	$C_p = 105.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c/liq	240.92 K,	$\Delta H = 9234.9 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 38.348 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Entropy</b>	298.2 K,	$S = 126.68 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
liq/g	291.0 K,	$\Delta H = 26945 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 92.59 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ $P = 71.46 \text{ kPa}$	<b>Phase Changes</b>	c,II/c,I	171–172 K Glass transition.
<b>Molecular Weight</b>	54.0914		c,I/liq	284 K	
<b>Wiswesser Line Notation</b>	2UU2		<b>Molecular Weight</b>	54.0914	
<b>Evaluation</b>	A		<b>Wiswesser Line Notation</b>	/*2U2*/ -C	
			<b>Evaluation</b>	A	

$(C_4H_6)_n$ (c)		62DAI/EVA5	$C_4H_6N_2O$ (c)		73HAM/
trans-1,4-Polybutadiene			3-Amino-5-methylisoxazole		
Heat Capacity	298.15 K,	$C_p = 130.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Heat Capacity	287.15 K,	$C_p = 146.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 20 to 345 K.			One value.		
Phase Changes			Molecular Weight	98.1042	
c,II/c,I	317 K,	$\Delta H = 3456 \text{ J} \cdot \text{mol}^{-1}$	Wiswesser Line Notation	T5NOJ C1 EZ	
		$\Delta S = 10.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Evaluation	C	
Solid-solid transition is a linear to helical crystal structure.					
Molecular Weight	54.0914				
Wiswesser Line Notation	/*2U2*/ -T				
Evaluation	B				
$(C_4H_6)_n$ (c)		86GRE/AYC	$C_4H_6N_2O_2$ (c)		81LEB/I
trans-1,4-Polybutadiene			2,5-Dioxopiperazine		
Heat Capacity	298.2 K,	$C_p = 87.59 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Heat Capacity	298.15 K,	$C_p = 133.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 10 to 500 K.			Temperature range 5 to 330 K.		
Entropy	298.2 K,	$S = 91.23 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Entropy	298.15 K,	$S = 145.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Phase Changes			Molecular Weight	114.1036	
c,II/c,I	356 K,	$\Delta H = 7980 \text{ J} \cdot \text{mol}^{-1}$	Wiswesser Line Notation	T6MV DMVTJ	
		$\Delta S = 21.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Evaluation	A	
Fully ordered/conformationally disordered transition.					
c,I/liquid	437 K				
Molecular Weight	54.0914				
Wiswesser Line Notation	/*2U2*/ -T				
Evaluation	A				
$C_4H_6Cl_2O_2$ (liq)		188IREI	$C_4H_6N_2O_2$ (c)		82LEB/I
Ethyl dichloroacetate			2,5-Dioxopiperazine		
Heat Capacity	298 K,	$C_p = 209.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Heat Capacity	298.15 K,	$C_p = 134.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 291 to 434 K.			Temperature range 8 to 330 K.		
Molecular Weight	156.9962		Entropy	298.15 K,	$S = 145.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Wiswesser Line Notation	GYGVO2		Molecular Weight	114.1036	
Evaluation	D		Wiswesser Line Notation	T6MV DMVTJ	
			Evaluation	A	
$C_4H_6MgO_4$ (gls)		71ONO/KIM	$(C_4H_6N_2O_2)_n$ (c)		911
Magnesium acetate			Poly-L-asparagine		
Heat Capacity	310.02 K,	$C_p = 20.452 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Heat Capacity	300 K,	$C_p = 139.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 310 to 500 K. Unsmoothed experimental datum.			Temperature range 220 to 390 K.		
Data also given for crystalline state from 348 to 501 K.			Molecular Weight	114.1036	
Molecular Weight	142.3942		Wiswesser Line Notation	/*V1YZ&M*/ -L	
Wiswesser Line Notation	OV1 2 .MG		Evaluation	B	
Evaluation	B				
$T_{(glass)} = 470 \text{ K.}$					
$C_4H_6MgO_4 \cdot 4H_2O$ (c)		84MEJ/GRO	$(C_4H_6N_2O_2)_n$ (c)		93ROL/
Magnesium diethanoate tetrahydrate; Magnesium diacetate tetrahydrate			Poly-L-asparagine		
Heat Capacity	298.15 K,	$C_p = 321.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Heat Capacity	300 K,	$C_p = 139.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 270 to 400 K.			Temperature range 220 to 390 K.		
Phase Changes			Molecular Weight	114.1036	
c/aq	336 K,	$\Delta H = 35800 \text{ J} \cdot \text{mol}^{-1}$	Wiswesser Line Notation	/*V1YZ&M*/ -L	
		$\Delta S = 106.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Evaluation	B	
Transition of tetrahydrate to less hydrated salt, presumably the monohydrate.					
Molecular Weight	214.4548				
Wiswesser Line Notation	OV2 2 .MG &QH 4				
Evaluation	B				
$C_4H_6N_2$ (c)		92JIM/ROU	$C_4H_6O$ (liq)		89STE/
2-Methylimidazole			2,3-Dihydrofuran		
Heat Capacity	298.15 K,	$C_p = 105.09 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Heat Capacity	298.15 K,	$C_p = 122.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
One temperature.			One temperature.		
Molecular Weight	82.1048		Molecular Weight	70.0908	
Wiswesser Line Notation	T5N CMJ B1		Wiswesser Line Notation	T5O BH CHJ	
Evaluation	A		Evaluation	B	

<b>C<sub>4</sub>H<sub>6</sub>O</b> (liq)		84BAG/BAE	<b>C<sub>4</sub>H<sub>6</sub>O<sub>2</sub></b> (liq)		85KAR/SAI
2-Butenal; Crotonaldehyde			Methyl propenoate; Methyl acrylate		
<b>Heat Capacity</b> 298.35 K,	$C_p = 148.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K,	$C_p = 172.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 273 to 343 K.	$C_p(\text{liq}) = -0.23229 + 0.14081T - 2.1 \times 10^{-5}T^2 \text{ kJ/kg} \cdot \text{K}$ (273 to 343 K).		Temperature range 90 to 290 K.	$C_p(c) = 285.21 + 5.32T \text{ J/kg} \cdot \text{K}$ (103 to 175 K); $C_p(\text{liq}) = 1568.62 + 1.45T$ (197.5 to 290 K). $C_p$ data calculated from equation.	
<b>Molecular Weight</b> 70.0908			<b>Phase Changes</b>		
<b>Wiswesser Line Notation</b> VH1U2			c/liq	197.5 K	
<b>Evaluation</b> B			<b>Molecular Weight</b> 86.0902		
<b>C<sub>4</sub>H<sub>6</sub>O·17H<sub>2</sub>O</b> (liq)		85HAN	<b>Wiswesser Line Notation</b> 1U1VO1		
2,5-Dihydrofuran clathrate hydrate			<b>Evaluation</b> B		
<b>Heat Capacity</b> 260 K,	$C_p = 726 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>C<sub>4</sub>H<sub>6</sub>O<sub>2</sub></b> (liq)		59BEN/THO
Temperature range 95 to 260 K.			Ethylene ethanoate; Vinyl acetate		
<b>Phase Changes</b>			<b>Heat Capacity</b> 298 K,	$C_p = 169.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
c/liq	272.0 K,	$\Delta H = 92900 \text{ J} \cdot \text{mol}^{-1}$	Mean value 23 to 50 °C.		
		$\Delta S = 341.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b> 86.0902		
<b>Molecular Weight</b> 70.0908			<b>Wiswesser Line Notation</b> 1VO1U1		
<b>Wiswesser Line Notation</b> T5O BH EHJ & QH 17			<b>Evaluation</b> C		
<b>Evaluation</b> A			<b>(C<sub>4</sub>H<sub>6</sub>O<sub>2</sub>)<sub>n</sub></b> (gls)		80YEV/LEB
Actual composition is a mixed hydrate: 0.978 DHF–0.022 THF–17 H <sub>2</sub> O.			Poly-γ-butyrolactone		
<b>C<sub>4</sub>H<sub>6</sub>O</b> (liq)		88BAG/GUR	<b>Heat Capacity</b> 298.15 K,	$C_p = 155.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
2-Butenal; Crotonaldehyde			Temperature range 5 to 345 K. $C_p$ is for the high-elastic state. $C_p(c, 300 \text{ K}) = 117.9 \text{ J/mole} \cdot \text{K}$ .		
<b>Heat Capacity</b> 298.35 K,	$C_p = 148.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Entropy</b> 298.15 K,	$S = 167.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 270 to 340 K. Unsmoothed experimental datum.			S is for the high-elastic state. $S(c, 300 \text{ K}) = 133.4 \text{ J/mole} \cdot \text{K}$ .		
<b>Molecular Weight</b> 70.0908			<b>Phase Changes</b>		
<b>Wiswesser Line Notation</b> VH1U2			c/liq	337.5 K,	
<b>Evaluation</b> B			$\Delta H = 13200 \text{ J} \cdot \text{mol}^{-1}$		
<b>C<sub>4</sub>H<sub>6</sub>O<sub>2</sub></b> (liq)		71HAL/BAL	$\Delta S = 39.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
Methyl propenoate; Methyl acrylate			100% crystallinity.		
<b>Heat Capacity</b> 297 K,	$C_p = 133.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Molecular Weight</b> 86.0902		
One temperature.			<b>Wiswesser Line Notation</b> /*MV32*/		
<b>Molecular Weight</b> 86.0902			<b>Evaluation</b> A		
<b>Wiswesser Line Notation</b> 1U1VO1			<b>C<sub>4</sub>H<sub>6</sub>O<sub>2</sub></b> (liq)		79FUC
<b>Evaluation</b> C			γ-Butyrolactone		
<b>C<sub>4</sub>H<sub>6</sub>O<sub>2</sub></b> (liq)		79FUC	<b>Heat Capacity</b> 298.15 K,	$C_p = 141.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Methyl propenoate; Methyl acrylate			One temperature.		
<b>Heat Capacity</b> 298.15 K,	$C_p = 161.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Molecular Weight</b> 86.0902		
One temperature.			<b>Wiswesser Line Notation</b> T5OVTJ		
<b>Molecular Weight</b> 86.0902			<b>Evaluation</b> B		
<b>Wiswesser Line Notation</b> 1U1VO1			<b>C<sub>4</sub>H<sub>6</sub>O<sub>2</sub></b> (liq)		80YEV/LEB
<b>Evaluation</b> B			γ-Butyrolactone		
<b>C<sub>4</sub>H<sub>6</sub>O<sub>2</sub></b> (liq)		84VAS/PET	<b>Heat Capacity</b> 298.15 K,	$C_p = 141.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Methyl propenoate; Methyl acrylate			Temperature range 5 to 330 K.		
<b>Heat Capacity</b> 300 K,	$C_p = 158.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Entropy</b> 298.15 K,	$S = 197.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 60 to 300 K.			<b>Phase Changes</b>		
<b>Entropy</b> 300 K,	$S = 239.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		c/liq	229.78 K,	
<b>Phase Changes</b>			$\Delta H = 9570 \text{ J} \cdot \text{mol}^{-1}$		
c/liq	196.21 K		$\Delta S = 41.56 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
<b>Molecular Weight</b> 86.0902			<b>Molecular Weight</b> 86.0902		
<b>Wiswesser Line Notation</b> 1U1VO1			<b>Wiswesser Line Notation</b> T5OVTJ		
<b>Evaluation</b> A			<b>Evaluation</b> A		
<b>C<sub>4</sub>H<sub>6</sub>O<sub>2</sub></b> (liq)		85KAR/ABD2	<b>C<sub>4</sub>H<sub>6</sub>O<sub>2</sub></b> (liq)		83LEB/YEV
Methyl propenoate; Methyl acrylate			γ-Butyrolactone		
<b>Phase Changes</b>			<b>Heat Capacity</b> 298.15 K,	$C_p = 141.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
c/liq	197.5 K,	$\Delta H = 9729 \text{ J} \cdot \text{mol}^{-1}$	Temperature range 13.8 to 340 K.		
		$\Delta S = 49.26 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Entropy</b> 298.15 K,	$S = 197.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Molecular Weight</b> 86.0902			<b>Phase Changes</b>		
<b>Wiswesser Line Notation</b> 1U1VO1			c/liq	229.78 K,	
<b>Evaluation</b> A			$\Delta H = 9570 \text{ J} \cdot \text{mol}^{-1}$		
<b>C<sub>4</sub>H<sub>6</sub>O<sub>2</sub></b> (liq)			$\Delta S = 41.56 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
Methyl propenoate; Methyl acrylate			<b>Molecular Weight</b> 86.0902		
<b>Phase Changes</b>			<b>Wiswesser Line Notation</b> T5OVTJ		
c/liq	197.5 K,	$\Delta H = 9729 \text{ J} \cdot \text{mol}^{-1}$	<b>Evaluation</b> A		
		$\Delta S = 49.26 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
<b>Molecular Weight</b> 86.0902					
<b>Wiswesser Line Notation</b> 1U1VO1					
<b>Evaluation</b> A					

$\text{C}_4\text{H}_6\text{O}_2$ (liq)		88ISM/GAB	$(\text{C}_4\text{H}_6\text{O}_2)_n$ (c)	67PAV/R
$\gamma$ -Butyrolactone			Polymethacrylic acid	
<b>Heat Capacity</b>	298.15 K,	$C_p=140.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298 K,
Temperature range 290 to 410 K.		$C_p(\text{liq})=101.0829 + 763.3375 \times 10^{-4} T + 1.918968 \times 10^{-4} T^2 \text{ J/mol} \cdot \text{K}$ (290 to 410 K).		$C_p=92.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Entropy</b>	298.15 K,	$S=201.28 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Temperature range 298 to 463 K.	$C_p=0.233+9.00 \times 10^{-4} T \text{ cal} \cdot \text{g}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	86.0902		(20 to 130 °C). Value calculated from equation.	
<b>Wiswesser Line Notation</b>	T5OV TJ			
<b>Evaluation</b>	B		<b>Molecular Weight</b>	86.0902
			<b>Wiswesser Line Notation</b>	*1X*I&VQ/
			<b>Evaluation</b>	B
			$T(\text{glass})=433 \text{ K.}$	
$\text{C}_4\text{H}_6\text{O}_2$ (liq)		89STE/CHI3	$\text{C}_4\text{H}_6\text{O}_3$ (liq)	39J
$\gamma$ -Butyrolactone			Ethanoic anhydride; Acetic anhydride	
<b>Heat Capacity</b>	298.15 K,	$C_p=140.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	303.2 K,
One temperature.				$C_p=168.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	86.0902			
<b>Wiswesser Line Notation</b>	T5OV TJ		<b>Molecular Weight</b>	102.0896
<b>Evaluation</b>	B		<b>Wiswesser Line Notation</b>	1VOV1
			<b>Evaluation</b>	C
$\text{C}_4\text{H}_6\text{O}_2$ (liq)		84VAS/PET	$\text{C}_4\text{H}_6\text{O}_3$ (liq)	58J
Methacrylic acid; $\alpha$ -Methyl acrylic acid			Propylene carbonate	
<b>Heat Capacity</b>	300 K,	$C_p=161.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	323.15 K,
Temperature range 25 to 300 K.				$C_p=184.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Entropy</b>	300 K,	$S=186.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	One temperature.	
<b>Phase Changes</b>			<b>Molecular Weight</b>	102.0896
c/liq	289.36 K		<b>Wiswesser Line Notation</b>	T5OVOTJ D1
<b>Molecular Weight</b>	86.0902		<b>Evaluation</b>	C
<b>Wiswesser Line Notation</b>	QVY1&U1			
<b>Evaluation</b>	A			
$\text{C}_4\text{H}_6\text{O}_2$ (liq)		85KAR/ABD	$\text{C}_4\text{H}_6\text{O}_3$ (liq)	74VAS/K
Methacrylic acid; $\alpha$ -Methyl acrylic acid			Propylene carbonate; 4-Methyl-1,3-dioxolan-2-one	
<b>Heat Capacity</b>	298.15 K,	$C_p=159.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,
Temperature range 287 to 350 K. Equation only. $C_p$ (J/kg·K) = -551.8+8.0712 T. $C_p$ data calculated from equation.				$C_p=167.60 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Phase Changes</b>			Temperature range 80 to 310 K. $C_p(c)=2.9899+91.0386(T/100) - 35.8262(T/100)^2+7.2335(T/100)^3 \text{ J/mol} \cdot \text{K}$ (55 to 224.5 K).	
c/liq	287.5 K		<b>Entropy</b>	298.15 K,
<b>Molecular Weight</b>	86.0902			$S=219.17 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b>	QVY1&U1		<b>Phase Changes</b>	
<b>Evaluation</b>	B		c/liq	224.85 K,
			<b>Molecular Weight</b>	102.0896
			<b>Wiswesser Line Notation</b>	T5OVOTJ D1
			<b>Evaluation</b>	B
$\text{C}_4\text{H}_6\text{O}_2$ (liq)		85KAR/ABD2	$\text{C}_4\text{H}_6\text{O}_3$ (liq)	76MAS/I
Methacrylic acid; $\alpha$ -Methyl acrylic acid			Propylene carbonate; 4-Methyl-1,3-dioxolan-2-one	
<b>Phase Changes</b>			<b>Heat Capacity</b>	298 K,
c/liq	287.5 K,	$\Delta H=8062.5 \text{ J} \cdot \text{mol}^{-1}$		$C_p=175 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
		$\Delta S=28.04 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Temperature range 200 to 325 K. Data graphically only. V estimated from graph.	
<b>Molecular Weight</b>	86.0902		<b>Molecular Weight</b>	102.0896
<b>Wiswesser Line Notation</b>	QVY1&U1		<b>Wiswesser Line Notation</b>	T5OVOTJ D1
<b>Evaluation</b>	A		<b>Evaluation</b>	D
$\text{C}_4\text{H}_6\text{O}_2$ (liq)		85KAR/SAI	$\text{C}_4\text{H}_6\text{O}_3$ (liq)	76VAS/K
Methacrylic acid; $\alpha$ -Methyl acrylic acid			Propylene carbonate; 4-Methyl-1,3-dioxolan-2-one	
<b>Heat Capacity</b>	298.15 K,	$C_p=159.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,
Temperature range 90 to 350 K. $C_p(c)=244.98+4.92T \text{ J/kg} \cdot \text{K}$ (95 to 287.5 K); $C_p(\text{liq})=-551.47+8.07T \text{ J/kg} \cdot \text{K}$ (287.5 to 350 K). $C_p$ data calculated from equation.				$C_p=167.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Phase Changes</b>			Temperature range 5 to 415 K.	
c/liq	287.5 K		<b>Entropy</b>	298.15 K,
<b>Molecular Weight</b>	86.0902			$S=218.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b>	QVY1&U1		<b>Phase Changes</b>	
<b>Evaluation</b>	B		c/liq	224.85 K,
			<b>Molecular Weight</b>	102.0896
			<b>Wiswesser Line Notation</b>	T5OVOTJ D1
			<b>Evaluation</b>	B

<b>C<sub>4</sub>H<sub>6</sub>O<sub>3</sub></b> (liq)	84VAS/PET	<b>C<sub>4</sub>H<sub>6</sub>O<sub>4</sub>Zn</b> (c)	84SPI/PRO
Propylene carbonate; 4-Methyl-1,3-dioxolan-2-one		Zinc acetate	
<b>Heat Capacity</b> 298.15 K, $C_p = 167.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298 K, $C_p = 153.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 5 to 415 K.		Temperature range 243 to 293 K. Value calculated from equation: $C_p (\text{J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}) = 3.44 \times 10^{-2} + 4 \times 10^{-4} T(\text{K})$ .	
<b>Entropy</b> 298.15 K, $S = 218.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Molecular Weight</b> 183.4690	
<b>Phase Changes</b> c/liq 224.85 K, $\Delta H = 9620 \text{ J} \cdot \text{mol}^{-1}$		<b>Wiswesser Line Notation</b> OV1 2 .ZN	
$\Delta S = 42.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Evaluation</b> C	
<b>Molecular Weight</b> 102.0896			
<b>Wiswesser Line Notation</b> T5OVOTJ D1			
<b>Evaluation</b> A			
<b>C<sub>4</sub>H<sub>6</sub>O<sub>4</sub></b> (c,I)	30PAR/HUF2	<b>C<sub>4</sub>H<sub>6</sub>O<sub>4</sub>·2H<sub>2</sub>O</b> (c)	84SPI/PRO
1,4-Butanedioic acid; Succinic acid		Zinc acetate dihydrate	
<b>Heat Capacity</b> 289.8 K, $C_p = 149.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298 K, $C_p = 212.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 93 to 290 K. Value is unsmoothed experimental datum.		Temperature range 243 to 293 K. Value calculated from equation: $C_p (\text{J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}) = 3.40 \times 10^{-2} + 6 \times 10^{-4} T(\text{K})$ .	
<b>Entropy</b> 298.15 K, $S = 175.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Molecular Weight</b> 219.4994	
Extrapolation below 90 K, $55.10 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .		<b>Wiswesser Line Notation</b> OV1 2 .ZN &QH 2	
<b>Phase Changes</b> c,II/c,I 272 K, $\Delta H = 172 \text{ J} \cdot \text{mol}^{-1}$		<b>Evaluation</b> C	
$\Delta S = 0.63 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
<b>Molecular Weight</b> 118.0890			
<b>Wiswesser Line Notation</b> QV2VQ			
<b>Evaluation</b> B( $C_p$ ),C(S)			
<b>C<sub>4</sub>H<sub>6</sub>O<sub>4</sub></b> (c)	39SAT/SOG	<b>C<sub>4</sub>H<sub>6</sub>O<sub>5</sub></b> (c)	90CEO/SZW
1,4-Butanedioic acid; Succinic acid		Hydroxybutanedioic acid; Malic acid(DL)	
<b>Heat Capacity</b> 323 K, $C_p = 164.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Phase Changes</b>	
Temperature range 0 to 100 °C. Mean value.		c,I/liq 402 K, $\Delta H = 33522 \text{ J} \cdot \text{mol}^{-1}$	
<b>Molecular Weight</b> 118.0890		Stable form I.	
<b>Wiswesser Line Notation</b> QV2VQ		c,II/liq 396 K, $\Delta H = 30170 \text{ J} \cdot \text{mol}^{-1}$	
<b>Evaluation</b> C		Stable form II.	
 		<b>Molecular Weight</b> 134.0884	
<b>C<sub>4</sub>H<sub>6</sub>O<sub>4</sub></b> (c)	70VAN/WES2	<b>Wiswesser Line Notation</b> QVYQ1VQ	
1,4-Butanedioic acid; Succinic acid		<b>Evaluation</b> B	
<b>Heat Capacity</b> 298.15 K, $C_p = 152.93 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
Temperature range 5 to 328 K.			
<b>Entropy</b> 298.15 K, $S = 167.32 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
<b>Molecular Weight</b> 118.0890			
<b>Wiswesser Line Notation</b> QV2VQ			
<b>Evaluation</b> A			
<b>C<sub>4</sub>H<sub>6</sub>O<sub>4</sub></b> (c)	74CIN/BER	<b>C<sub>4</sub>H<sub>7</sub>ClO</b> (liq)	39SAT/SOG
1,4-Butanedioic acid; Succinic acid		Butanoyl chloride; Butyryl chloride	
<b>Phase Changes</b>		<b>Heat Capacity</b> 298 K, $C_p = 184.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
c/liq 457.0 K, $\Delta H = 32945 \text{ J} \cdot \text{mol}^{-1}$		Temperature range 0 to 100 °C. Mean value.	
$\Delta S = 72.09 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Molecular Weight</b> 150.0878	
<b>Molecular Weight</b> 118.0890		<b>Wiswesser Line Notation</b> QVYQYQVQ	
<b>Wiswesser Line Notation</b> QV2VQ		<b>Evaluation</b> C	
<b>Evaluation</b> A			
<b>C<sub>4</sub>H<sub>6</sub>O<sub>4</sub></b> (c)	88PET/TSY	<b>C<sub>4</sub>H<sub>7</sub>ClO</b> (liq)	1881REI
1,4-Butanedioic acid; Succinic acid		2-Methylpropanoyl chloride; Isobutyryl chloride	
<b>Phase Changes</b>		<b>Heat Capacity</b> 298 K, $C_p = 131.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
c,II/c,I 389.7 K, $\Delta H = 1260 \text{ J} \cdot \text{mol}^{-1}$		Temperature range 293 to 368 K.	
$\Delta S = 4.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Molecular Weight</b> 106.5517	
<b>Molecular Weight</b> 118.0890		<b>Wiswesser Line Notation</b> GV3	
<b>Wiswesser Line Notation</b> QV2VQ		<b>Evaluation</b> D	
<b>Evaluation</b> B			
<b>C<sub>4</sub>H<sub>6</sub>O<sub>4</sub></b> (c)	88PET/TSY	<b>C<sub>4</sub>H<sub>7</sub>CsO<sub>2</sub></b> (c)	75FER/SAN
1,4-Butanedioic acid; Succinic acid		Cesium butyrate	
<b>Phase Changes</b>		<b>Phase Changes</b>	
c,II/c,I 389.7 K, $\Delta H = 1460 \text{ J} \cdot \text{mol}^{-1}$		c,II/c,I 344 K, $\Delta H = 1460 \text{ J} \cdot \text{mol}^{-1}$	
$\Delta S = 4.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		$\Delta S = 4.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Molecular Weight</b> 118.0890		c,III/c,II 263 K, $\Delta H = 1260 \text{ J} \cdot \text{mol}^{-1}$	
<b>Wiswesser Line Notation</b> QV2VQ		$\Delta S = 4.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Evaluation</b> A		c,I/liq 628 K, $\Delta H = 13810 \text{ J} \cdot \text{mol}^{-1}$	
$\Delta H = 13810 \text{ J} \cdot \text{mol}^{-1}$		$\Delta S = 22.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Molecular Weight</b> 220.0035			
<b>Wiswesser Line Notation</b> OV3 .CS			
<b>Evaluation</b> C			

<b>C<sub>4</sub>H<sub>7</sub>KO<sub>2</sub></b> (c)	75FER/FRA	<b>C<sub>4</sub>H<sub>7</sub>LiO<sub>2</sub></b> (c)	85FRA/WES
Potassium butyrate		Lithium butyrate	
<b>Phase Changes</b>		<b>Heat Capacity</b> 298.15 K,	$C_p = 154.23 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c,V/c,IV	461.4 K	Temperature range 5 to 350 K.	
c,IV/c,III	467.2 K,	<b>Entropy</b> 298.15 K,	$S = 174.27 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Combined values.		<b>Molecular Weight</b> 94.0391	
c,III/c,II	540.8 K	<b>Wiswesser Line Notation</b> OV3 .LI	
c,II/c,I	562.2 K,	<b>Evaluation</b> A	A gradual thermodynamic transformation occurs from 160 K.
Combined values.			
c,I/liq	626.1 K,	$\Delta H = 1172 \text{ J} \cdot \text{mol}^{-1}$	
		$\Delta S = 2.51 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Molecular Weight</b> 126.1964			
<b>Wiswesser Line Notation</b> OV3 .KA			
<b>Evaluation</b> B			
Clearing transition at 677.3 K, $\Delta H = 4979 \text{ J/mole}$ , $\Delta S = 7.36 \text{ J/K} \cdot \text{mol}$ .			
<b>C<sub>4</sub>H<sub>7</sub>KO<sub>2</sub></b> (c)	75FER/SAN	<b>C<sub>4</sub>H<sub>7</sub>LiO<sub>2</sub></b> (c)	86NGE/WES
Potassium butyrate		Lithium butyrate	
<b>Phase Changes</b>		<b>Heat Capacity</b> 298.15 K,	$C_p = 153.40 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c,VII/c,V	133 K,	Temperature range 5 to 350 K.	
		<b>Entropy</b> 298.15 K,	$S = 173.36 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Taken as sum of data for transitions at 123 K and 143 K at average temperature.		<b>Molecular Weight</b> 94.0391	
<b>Molecular Weight</b> 126.1964		<b>Wiswesser Line Notation</b> OV3 .LI	
<b>Wiswesser Line Notation</b> OV3 .KA		<b>Evaluation</b> A	
<b>Evaluation</b> C			
<b>C<sub>4</sub>H<sub>7</sub>KO<sub>2</sub></b> (c)	87FRA/NGE	<b>C<sub>4</sub>H<sub>7</sub>LiO<sub>2</sub></b> (c)	93NGE/ABF
Potassium butyrate		Lithium 2-methylpropanoate	
<b>Heat Capacity</b> 298.15 K,		<b>Heat Capacity</b> 298.15 K,	$C_p = 146.92 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 10 to 350 K.		Temperature range 7 to 535 K.	
<b>Entropy</b> 298.15 K,		<b>Entropy</b> 298.15 K,	$S = 159.06 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Phase Changes</b>		<b>Phase Changes</b>	
c,VII/c,VI	123.85 K,	c,II/c,I	$\Delta H = 903 \text{ J} \cdot \text{mol}^{-1}$
		c,I/liq	$\Delta S = 2.03 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c,VI/c,VB	142.3 K,		$\Delta H = 1045 \text{ J} \cdot \text{mol}^{-1}$
			$\Delta S = 2.05 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Bifurcated transitions.			
c,VB/c,VA		Crystal to isotropic liquid.	
Diffuse anomaly in heat capacity curve.		<b>Molecular Weight</b> 94.0391	
c,V/c,IV	461.4 K	<b>Wiswesser Line Notation</b> OYV1&1 .LI	
c,IV/c,III	467.2 K	<b>Evaluation</b> A	Small diffuse hump in the $C_p$ curve was observed from 125 to 250 K
c,III/c,II	541 K		
c,II/c,I	562.2 K		
<b>Molecular Weight</b> 126.1964			
<b>Wiswesser Line Notation</b> OV3 .KA			
<b>Evaluation</b> A			
Liquid crystal-isotropic liquid transition at 677.3 K.			
<b>C<sub>4</sub>H<sub>7</sub>KO<sub>2</sub></b> (c)	87FRA/WES2	<b>C<sub>4</sub>H<sub>7</sub>N</b> (liq)	02LOL
Potassium 2-methylpropanoate		Butanenitrile; n-Propyl cyanide	
<b>Heat Capacity</b> 298.15 K,		<b>Heat Capacity</b> 340 K,	$C_p = 159 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 8 to 350 K.		Mean value 21 to 113 °C.	
<b>Entropy</b> 298.15 K,		<b>Molecular Weight</b> 69.1060	
<b>Molecular Weight</b> 126.1964		<b>Wiswesser Line Notation</b> NC3	
<b>Wiswesser Line Notation</b> OYV1&1 .KA		<b>Evaluation</b> D	
<b>Evaluation</b> A			
<b>C<sub>4</sub>H<sub>7</sub>N</b> (liq)	85GUS/MIF	<b>C<sub>4</sub>H<sub>7</sub>N</b> (liq)	87MIR/SH:
Butanenitrile; n-Propyl cyanide		Butanenitrile; n-Propyl cyanide	
<b>Heat Capacity</b> 303.15 K,		<b>Heat Capacity</b> 298.15 K,	$C_p = 134.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 303 to 383 K. p=0.1 MPa. Unsmoothed experimental datum given as 1.9520 kJ/kg·K.		Temperature range 173 to 373 K. Unsmoothed experimental datum given as 1.930 kJ/kg·K at 293 K. $C_p$ (liq)= $1.8787+0.00188827/K + 7.0408 \times 10^{-6} T^2/K^2$ kJ/kg·K (173 to 373 K). Note, second coefficient should be negative.	
<b>Molecular Weight</b> 69.1060		<b>Molecular Weight</b> 69.1060	
<b>Wiswesser Line Notation</b> NC3		<b>Wiswesser Line Notation</b> NC3	
<b>Evaluation</b> B		<b>Evaluation</b> D	

<b>C<sub>4</sub>H<sub>7</sub>N</b> (liq)	91SVO/ZAB2	<b>C<sub>4</sub>H<sub>7</sub>NO<sub>4</sub></b> (c)	32HUF/BOR
3-Methoxypropionitrile		Aminosuccinic acid(L); Aspartic acid(L)	
<b>Heat Capacity</b> 300.60 K, $C_p = 180.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 293.9 K, $C_p = 152.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 300 to 328 K. $C_p(\text{liq}) = 391.56 - 1.4014T + 2.3268 \times 10^{-3}T^2 \text{ J/K} \cdot \text{mol}$ (300 to 328 K).		Temperature range 88 to 293 K. Value is unsmoothed experimental datum.	
<b>Molecular Weight</b> 69.1060		<b>Entropy</b> 298.1 K, $S = 173.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Wiswesser Line Notation</b> NC2O1		Extrapolation below 90 K, 51.09 $\text{J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .	
<b>Evaluation</b> B		<b>Molecular Weight</b> 133.1036	
		<b>Wiswesser Line Notation</b> QVYZ1VQ -L	
		<b>Evaluation</b> B( $C_p$ ),C(S)	
<b>C<sub>4</sub>H<sub>7</sub>N</b> (liq)	71HAL/BAL	<b>C<sub>4</sub>H<sub>7</sub>NO<sub>4</sub></b> (c)	63HUT/COL2
2-Methylpropionitrile; 2-Cyanopropane; Isopropyl cyanide		Aminosuccinic acid(L); Aspartic acid(L)	
<b>Heat Capacity</b> 297 K, $C_p = 156.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K, $C_p = 155.18 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
One temperature.		Temperature range 10 to 310 K.	
<b>Molecular Weight</b> 69.1060		<b>Entropy</b> 298.15 K, $S = 170.12 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Wiswesser Line Notation</b> NCY1&1		<b>Molecular Weight</b> 133.1036	
<b>Evaluation</b> C		<b>Wiswesser Line Notation</b> QVYZ1VQ -L	
		<b>Evaluation</b> A	
<b>C<sub>4</sub>H<sub>7</sub>NO</b> (c)	59KOL/PAU	<b>C<sub>4</sub>H<sub>7</sub>N<sub>3</sub>O</b> (c)	32HUF/BOR
$\alpha$ -Pyrrolidone		Creatinine	
<b>Heat Capacity</b> 290 K, $C_p = 135.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 296.5 K, $C_p = 138.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 60 to 335 K.		Temperature range 87 to 297 K. Value is unsmoothed experimental datum.	
<b>Entropy</b> 298.15 K, $S = 136.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Entropy</b> 298.1 K, $S = 167.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Phase Changes</b>		Extrapolation below 90 K, 55.98 $\text{J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .	
c/liq 299.082 K, $\Delta H = 13920 \text{ J} \cdot \text{mol}^{-1}$		<b>Molecular Weight</b> 113.1188	
	$\Delta S = 46.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Wiswesser Line Notation</b> T5NYMVTJ A1 BUM	
<b>Molecular Weight</b> 85.1033		<b>Evaluation</b> B( $C_p$ ),C(S)	
<b>Wiswesser Line Notation</b> T5MVTJ			
<b>Evaluation</b> B			
<b>C<sub>4</sub>H<sub>7</sub>NO</b> (liq)	62KOL/PAU	<b>C<sub>4</sub>H<sub>7</sub>NaO<sub>2</sub></b> (c)	75FER/FRA
$\alpha$ -Pyrrolidone; 2-Pyrrolidone		Sodium butyrate	
<b>Heat Capacity</b> 300.00 K, $C_p = 169.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Phase Changes</b>	
Temperature range 60 to 350 K.		c,V/c,IV 450.4 K, $\Delta H = 1715 \text{ J} \cdot \text{mol}^{-1}$	
<b>Entropy</b> 310.00 K, $S = 189.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		$\Delta S = 3.81 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Phase Changes</b>		c,IV/c,III 489.8 K, $\Delta H = 544 \text{ J} \cdot \text{mol}^{-1}$	
c/liq 299.082 K, $\Delta H = 13920 \text{ J} \cdot \text{mol}^{-1}$		$\Delta S = 1.13 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
	$\Delta S = 46.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	c,III/c,II 498.3 K, $\Delta H = 753 \text{ J} \cdot \text{mol}^{-1}$	
<b>Molecular Weight</b> 85.1033		$\Delta S = 1.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Wiswesser Line Notation</b> T5MVTJ		c,II/c,I 508.4 K, $\Delta H = 1841 \text{ J} \cdot \text{mol}^{-1}$	
<b>Evaluation</b> B		$\Delta S = 3.64 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
		c,I/liq 524.5 K, $\Delta H = 10418 \text{ J} \cdot \text{mol}^{-1}$	
		$\Delta S = 19.87 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>C<sub>4</sub>H<sub>7</sub>NO</b> (liq)	89STE/CHI3	<b>Molecular Weight</b> 110.0879	
$\alpha$ -Pyrrolidone; 2-Pyrrolidone		<b>Wiswesser Line Notation</b> OV3.NA	
<b>Heat Capacity</b> 300 K, $C_p = 169.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Evaluation</b> B	
One temperature.		Clearing transition at 600.4 K, $\Delta H = 2218 \text{ J/mole}$ , $\Delta S = 3.68 \text{ J/K} \cdot \text{mol}$ .	
<b>Molecular Weight</b> 85.1033			
<b>Wiswesser Line Notation</b> T5MVTJ			
<b>Evaluation</b> B			
<b>C<sub>4</sub>H<sub>7</sub>NO</b> (c)	92STE/CHI	<b>C<sub>4</sub>H<sub>7</sub>O<sub>2</sub>Rb</b> (c)	75FER/SAN
Methacrylamide		Rubidium butyrate	
<b>Heat Capacity</b> 298.15 K, $C_p = 143.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Phase Changes</b>	
Temperature range 290 to 385 K. C/R(e) = 6.82 + 0.0352T (290 to 385 K), R = 8.31451 J/K · mol.		c,IV/c,III 191 K, $\Delta H = 2385 \text{ J} \cdot \text{mol}^{-1}$	
<b>Phase Changes</b>		$\Delta S = 12.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
c/liq 385.1 K, $\Delta H = 15000 \text{ J} \cdot \text{mol}^{-1}$		c,III/c,II 346 K, $\Delta H = 1005 \text{ J} \cdot \text{mol}^{-1}$	
<b>Molecular Weight</b> 85.1033		$\Delta S = 2.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Wiswesser Line Notation</b> ZVY1&1		c,II/c,I 466 K, $\Delta H = 2340 \text{ J} \cdot \text{mol}^{-1}$	
<b>Evaluation</b> A		$\Delta S = 5.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
		c,I/liq 652 K, $\Delta H = 15730 \text{ J} \cdot \text{mol}^{-1}$	
		$\Delta S = 24.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Molecular Weight</b> 172.5659		<b>Molecular Weight</b> 172.5659	
<b>Wiswesser Line Notation</b> OV3.RB		<b>Wiswesser Line Notation</b> OV3.RB	
<b>Evaluation</b> C			

$C_4H_7O_2Tl$ (c) Thallium butyrate <b>Phase Changes</b> c/liq            459 K, Solid-mesophase. <b>Molecular Weight</b> 291.4681 <b>Wiswesser Line Notation</b> OV3 .TL <b>Evaluation</b> B	76MEI/SEY $\Delta H=6694 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=14.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	$C_4H_8$ (liq) cis-2-Butene <b>Heat Capacity</b> 298.15 K, Temperature range 15 to 300 K. <b>Entropy</b> 298.15 K, <b>Phase Changes</b> c/liq            134.26 K, <b>Molecular Weight</b> 56.1072 <b>Wiswesser Line Notation</b> 2U2 -C <b>Evaluation</b> A	44SCO/FER $C_p=126.15 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ $S=219.91 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ $\Delta H=7309.2 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=54.44 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
$C_4H_7O_2Tl$ (c) Thallium butyrate <b>Heat Capacity</b> 320 K, Temperature range 320 to 480 K. <b>Phase Changes</b> c/liq            456.7 K, <b>Molecular Weight</b> 291.4681 <b>Wiswesser Line Notation</b> OV3 .TL <b>Evaluation</b> A	84FER/LOP $C_p=175 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ $\Delta H=7691 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=16.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	$C_4H_8$ (liq) cis-2-Butene <b>Heat Capacity</b> 299.8 K, Temperature range 80 to 200 °F. <b>Molecular Weight</b> 56.1072 <b>Wiswesser Line Notation</b> 2U2 -C <b>Evaluation</b> B	52SCH/SAC $C_p=130.00 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
$C_4H_8$ (liq) 2-Methylpropene; Isobutene <b>Heat Capacity</b> 253.1 K, Temperature range 93.3 to 253 K. Value is unsmoothed experimental datum. <b>Entropy</b> 266.0 K, $S=194 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Extrapolation below 90 K, 45.23 $\text{J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ . <b>Phase Changes</b> c/liq            132.4 K, $\Delta H=5920 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=44.71 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ <b>Molecular Weight</b> 56.1072 <b>Wiswesser Line Notation</b> 1Y1&U1 <b>Evaluation</b> B( $C_p$ ),C(S)	36TOD/PAR $C_p=121.42 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	$C_4H_8$ (liq) cis-2-Butene <b>Heat Capacity</b> 298.15 K, Temperature range 5 to 367 K. <b>Entropy</b> 298.15 K, <b>Phase Changes</b> c/liq            134.26 K, <b>Molecular Weight</b> 56.1072 <b>Wiswesser Line Notation</b> 2U2 -C <b>Evaluation</b> A A reevaluation of the original measured data from: 36TOD/PAR 44SCO/FER, 52SCH/SAG.	83CHA/HAI $C_p=127 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ $S=220 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ $\Delta H=7309 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=54.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
$C_4H_8$ (liq) 2-Methylpropene; Isobutene <b>Heat Capacity</b> 266.26 K, Temperature range 90 to 266 K. <b>Phase Changes</b> c/liq            132.38 K liq/g            266.26 K <b>Molecular Weight</b> 56.1072 <b>Wiswesser Line Notation</b> 1Y1&U1 <b>Evaluation</b> B	71RAB/LEB $C_p=121.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	$C_4H_8$ (liq) trans-2-Butene <b>Heat Capacity</b> 259.6 K, $C_p=122.05 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Temperature range 93 to 260 K. Value is unsmoothed experimental datum. <b>Entropy</b> 274.1 K, $S=204.97 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Extrapolation below 90 K, 42.80 $\text{J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ . <b>Phase Changes</b> c/liq            167.3 K, $\Delta H=9861 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=58.94 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ <b>Molecular Weight</b> 56.1072 <b>Wiswesser Line Notation</b> 2U2 -T <b>Evaluation</b> B( $C_p$ ),C(S)	36TOD/PAF $C_p=122.05 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
$C_4H_8$ (liq) cis-2-Butene <b>Heat Capacity</b> 266.6 K, $C_p=118.87 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Temperature range 93 to 267 K. Value is unsmoothed experimental datum. <b>Entropy</b> 276.8 K, $S=212.88 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Extrapolation below 90 K, 48.95 $\text{J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ . <b>Phase Changes</b> c/liq            133.8 K, $\Delta H=7318 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=54.69 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ <b>Molecular Weight</b> 56.1072 <b>Wiswesser Line Notation</b> 2U2 -C <b>Evaluation</b> B( $C_p$ ),C(S)	36TOD/PAR	$C_4H_8$ (liq) trans-2-Butene <b>Heat Capacity</b> 270280 K, $C_p=122.34 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Temperature range 15 to 274 K. <b>Entropy</b> 274.04 K, $S=205.31 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ <b>Phase Changes</b> c/liq            167.61 K, $\Delta H=9757 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=58.21 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ liq/g            274.04 K, $\Delta H=22757 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=83.04 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ <b>Molecular Weight</b> 56.1072 <b>Wiswesser Line Notation</b> 2U2 -T <b>Evaluation</b> A P=101.325 kPa	45GUT/PII

<b>C<sub>4</sub>H<sub>8</sub></b> (liq)	83CHA/HAL	<b>C<sub>4</sub>H<sub>8</sub></b> (liq)	83CHA/HAL
trans-2-Butene		1-Butene	
<b>Heat Capacity</b> 280 K,	$C_p = 124.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p = 118 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 14 to 271 K.		Temperature range 12 to 360 K.	
<b>Entropy</b> 280 K,	$S = 163.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Entropy</b> 298.15 K,	$S = 227.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Phase Changes</b>		<b>Phase Changes</b>	
c/liq	$\Delta H = 9757 \text{ J} \cdot \text{mol}^{-1}$	c/liq	$\Delta H = 3848 \text{ J} \cdot \text{mol}^{-1}$
	$\Delta S = 58.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		$\Delta S = 43.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b> 56.1072		<b>Molecular Weight</b> 56.1072	
<b>Wiswesser Line Notation</b> 2U2-T		<b>Wiswesser Line Notation</b> 3U1	
<b>Evaluation</b> A		<b>Evaluation</b> A	
A reevaluation of the original measured data from: 36TOD/PAR, 45GUT/PIT.		A reevaluation of the original measured data from: 36TOD/PAR, 46AST/FIN, 49SCH/SAG.	
<b>(C<sub>4</sub>H<sub>8</sub>)<sub>n</sub></b> (gls)	64WIL/GRE	<b>C<sub>4</sub>H<sub>8</sub></b> (liq)	91TAK/YAM
Poly(1-butene)		1-Butene	
<b>Heat Capacity</b>		<b>Heat Capacity</b> 298.15 K,	$C_p = 128.96 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 213 to 423 K. $C_p$ data given graphically.		Temperature range 5 to 300 K.	
<b>Phase Changes</b>		<b>Entropy</b> 298.15 K,	$S = 229.06 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c/liq	$407.8 \text{ K}, \Delta H = 7008 \text{ J} \cdot \text{mol}^{-1}$	<b>Phase Changes</b>	
Rhombohedral form, 76.0% crystallinity.		c/liq	$\Delta H = 3958.6 \text{ J} \cdot \text{mol}^{-1}$
c/liq	$360 \text{ K}, \Delta H = 6502 \text{ J} \cdot \text{mol}^{-1}$		$\Delta S = 45.09 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Rhombohedral atactic form, 13.0% crystallinity.		<b>Molecular Weight</b> 56.1072	
c/liq	$394.6 \text{ K}, \Delta H = 4075 \text{ J} \cdot \text{mol}^{-1}$	<b>Wiswesser Line Notation</b> 3U1	
Tetragonal form, 76.0% crystallinity.		<b>Evaluation</b> A	
c,II/c,I	$394.6 \text{ K}, \Delta H = 2933 \text{ J} \cdot \text{mol}^{-1}$	T(glass)=60 K.	
Rhombohedral to tetragonal.			
<b>Molecular Weight</b> 56.1072			
<b>Wiswesser Line Notation</b> /*Y2&I*/			
<b>Evaluation</b> C			
<b>C<sub>4</sub>H<sub>8</sub></b> (liq)	36TOD/PAR	<b>C<sub>4</sub>H<sub>8</sub></b> (liq)	53RAT/GWI
1-Butene		Cyclobutane	
<b>Heat Capacity</b> 253.4 K,	$C_p = 119.16 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 285 K,	$C_p = 106.32 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 81 to 253 K. Value is unsmoothed experimental datum.		Temperature range 15 to 285 K.	
<b>Molecular Weight</b> 56.1072		<b>Entropy</b> 285.66 K,	$S = 175.15 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b> 3U1		<b>Phase Changes</b>	
<b>Evaluation</b> B		c,II/c,I	$\Delta H = 5707 \text{ J} \cdot \text{mol}^{-1}$
			$\Delta S = 39.17 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
		Transition over about 120 to 145.7 K. Values represent excess over extrapolated $C_p$ curves.	
		c,I/liq	$\Delta H = 1088 \text{ J} \cdot \text{mol}^{-1}$
			$\Delta S = 5.96 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
		liq/g	$\Delta H = 24188 \text{ J} \cdot \text{mol}^{-1}$
			$\Delta S = 84.67 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
			$P = 101.325 \text{ kPa}$
 		<b>Molecular Weight</b> 56.1072	
<b>Wiswesser Line Notation</b> 3U1		<b>Wiswesser Line Notation</b> L4TJ	
<b>Evaluation</b> B		<b>Evaluation</b> A	
<b>C<sub>4</sub>H<sub>8</sub></b> (liq)	46AST/FIN	<b>(C<sub>4</sub>H<sub>8</sub>)<sub>n</sub></b> (liq)	36FER/PAR
1-Butene		Polyisobutylene	
<b>Heat Capacity</b> 260 K,	$C_p = 119.45 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 294.9 K,	$C_p = 109.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 11.5 to 260 K.		Temperature range 121 to 295 K. Annealed sample.	
<b>Entropy</b> 266.91 K,	$S = 213.84 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b> 56.1072	
<b>Phase Changes</b>		<b>Wiswesser Line Notation</b> /*1X*1&1/	
c/liq	$\Delta H = 3849 \text{ J} \cdot \text{mol}^{-1}$	<b>Evaluation</b> D	
	$\Delta S = 43.83 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	T(glass)=197 K.	
liq/g	$\Delta H = 21866 \text{ J} \cdot \text{mol}^{-1}$		
	$\Delta S = 81.92 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
	$P = 101.325 \text{ kPa}$		
<b>Molecular Weight</b> 56.1072			
<b>Wiswesser Line Notation</b> 3U1			
<b>Evaluation</b> A			
<b>C<sub>4</sub>H<sub>8</sub></b> (liq)	49SCH/SAG	<b>(C<sub>4</sub>H<sub>8</sub>)<sub>n</sub></b> (liq)	55FUR/REI
1-Butene		Polyisobutylene	
<b>Heat Capacity</b> 294 K,	$C_p = 128.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 300 K,	$C_p = 109.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 294 to 378 K. $C_p$ given as $0.548 \text{ Btu(lb)}^{-1}(\text{°K})^{-1}$ at 70 °F at bubble point.		Temperature range 14 to 380 K. $C_p(c) = 0.844 + 3.03 \times 10^{-3}T + 2.24 \times$ $10^{-6}T^2 \text{ J/deg} \cdot \text{g}$ (210 to 380 K).	
<b>Molecular Weight</b> 56.1072		<b>Entropy</b> 300 K,	$S = 96.50 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b> 3U1		<b>Molecular Weight</b> 56.1072	
<b>Evaluation</b> B		<b>Wiswesser Line Notation</b> /*1X*1&1/	
		<b>Evaluation</b> A	
		T(glass)=199 K.	

$(C_4H_8)_n$ (liq)		56FUR/REI	$C_4H_8Cl_2O$ (liq)		48TSC
Polyisobutylene			1,5-Dichloro-3-oxapentane; $\beta,\beta'$ -Dichlorodiethylether		
<b>Heat Capacity</b>	298.15 K,	$C_p=109.30 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	295 K,	$C_p=253 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 14 to 380 K.		$C_p(\text{liq})=0.844+3.03 \times 10^{-3}T + 2.24 \times 10^{-6}T^2 \text{ J} \cdot \text{g}^{-1} \cdot \text{deg}^{-1}$ (210 to 380 K).	One temperature.		$C_p$ is an average of 7 measurements.
<b>Entropy</b>	298.15 K,	$S=95.83 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Phase Changes</b>		
<b>Molecular Weight</b>	56.1072		c/liq	226.5 K,	$\Delta H=8385 \text{ J} \cdot \text{mol}^{-1}$
<b>Wiswesser Line Notation</b>	/*1X*1&1/		<b>Molecular Weight</b>	143.0126	
<b>Evaluation</b>	A		<b>Wiswesser Line Notation</b>	G2O2G	
T(glass)=199 K.			<b>Evaluation</b>	C	
$(C_4H_8)_n$ (liq)		71RAB/LEB	$C_4H_8Cl_2O$ (liq)		87KAL/KOH
Polyisobutylene			1,5-Dichloro-3-oxapentane; $\beta,\beta'$ -Dichlorodiethylether		
<b>Heat Capacity</b>	300 K,	$C_p=109.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	293.15 K,	$C_p=207.81 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 10 to 300 K.			Temperature range 293.15, 313.15 K.		
<b>Molecular Weight</b>	56.1072		<b>Molecular Weight</b>	143.0126	
<b>Wiswesser Line Notation</b>	/*1X*1&1/		<b>Wiswesser Line Notation</b>	G2O2G	
<b>Evaluation</b>	A		<b>Evaluation</b>	B	
$(C_4H_8)_n$ (gls)		62DAI/EVA4	$C_4H_8Cl_3O_4P$ (c)		89UTS/GAE
Poly(1-butene), isotactic			Dimethyl 2,2,2-trichloro-1-hydroxyethylphosphonate		
<b>Heat Capacity</b>	298.15 K,	$C_p=112.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298 K,	$C_p=261 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 20 to 310 K.			Temperature range 280 to 330 K.	$C_p=249+0.502T \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ (T in °C).	
<b>Entropy</b>	298.15 K,	$S=103.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Phase Changes</b>		
When extrapolated to 100% crystallinity, the entropy is 86.6 J · mol⁻¹ · K⁻¹.			c,I/liq	350 K,	$\Delta H=20300 \text{ J} \cdot \text{mol}^{-1}$
<b>Phase Changes</b>			Modification I.		
c/gls	249 K		c,II/liq	357 K,	$\Delta H=22400 \text{ J} \cdot \text{mol}^{-1}$
<b>Molecular Weight</b>	56.1072		Modification II.		
<b>Wiswesser Line Notation</b>	/*Y2&1*/		c,III/liq	369 K	
<b>Evaluation</b>	A		Modification III.		
			c,IV/liq	384 K,	$\Delta H=25000 \text{ J} \cdot \text{mol}^{-1}$
			Modification IV.		
			<b>Molecular Weight</b>	257.4376	
			<b>Wiswesser Line Notation</b>		
			<b>Evaluation</b>	B	
$C_4H_8Br_2$ (liq)		93SHE	$C_4H_8N_2$ (liq)		93STE/CHI
1,4-Dibromobutane			1,4,5,6-Tetrahydropyrimidine		
<b>Heat Capacity</b>	298.15 K,	$C_p=191.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p=157.97 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
One temperature.			One temperature.		
<b>Molecular Weight</b>	215.9152		<b>Molecular Weight</b>	84.1206	
<b>Wiswesser Line Notation</b>	E4E		<b>Wiswesser Line Notation</b>	T6NU CMTJ	
<b>Evaluation</b>	B		<b>Evaluation</b>	A	
$C_4H_8Cl_2$ (liq)		92HE/AN	$C_4H_8N_2O_2$ (c)		41SAT/SOG-
1,2-Dichlorobutane			1,4-Butanediamide; Succinamide		
<b>Heat Capacity</b>	298.15 K,	$C_p=195.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	323 K,	$C_p=174.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
One temperature.			Temperature range 0 to 100 °C. Mean value.		
<b>Molecular Weight</b>	127.0132		<b>Molecular Weight</b>	116.1194	
<b>Wiswesser Line Notation</b>	G1YG2		<b>Wiswesser Line Notation</b>	ZV2VZ	
<b>Evaluation</b>	B		<b>Evaluation</b>	C	
			Same data in 40SAT/SOG5.		
$C_4H_8Cl_2$ (liq)		85LAI/WIL	$C_4H_8N_2O_2$ (c)		88FER/DEI
1,4-Dichlorobutane			N-Acetylglycine amide		
<b>Heat Capacity</b>	298.15 K,	$C_p=183.59 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Phase Changes</b>		
One temperature.			c/liq	408.2 K,	$\Delta H=25600 \text{ J} \cdot \text{mol}^{-1}$
<b>Molecular Weight</b>	127.0132				$\Delta S=62.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b>	G4G		<b>Molecular Weight</b>	116.1194	
<b>Evaluation</b>	A		<b>Wiswesser Line Notation</b>	ZV1MV1	
			<b>Evaluation</b>	A	
$C_4H_8Cl_2$ (liq)		93HAL			
1,4-Dichlorobutane					
<b>Heat Capacity</b>	298.15 K,	$C_p=184.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
One temperature.					
<b>Molecular Weight</b>	127.0132				
<b>Wiswesser Line Notation</b>	G4G				
<b>Evaluation</b>	B				

$\text{C}_4\text{H}_8\text{N}_2\text{O}_3$ (c) Glycylglycine <b>Heat Capacity</b> 293.9 K, $C_p = 161.80 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ Temperature range 87 to 294 K. Value is unsmoothed experimental datum. <b>Entropy</b> 298.1 K, $S = 190.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ Extrapolation below 90 K, $56.90 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ . <b>Molecular Weight</b> 132.1188 <b>Wiswesser Line Notation</b> Z1VM1VQ <b>Evaluation</b> A( $C_p$ ), C(S)	41HUF	$\text{C}_4\text{H}_8\text{N}_4\text{O}_4$ (c) 1,3-Dinitro-1,3-diazacyclohexane <b>Phase Changes</b> c,II/c,I 346 K, $\Delta H = 15481 \text{ J} \cdot \text{mol}^{-1}$ c,I/liq 353 K, $\Delta H = 2929 \text{ J} \cdot \text{mol}^{-1}$ <b>Molecular Weight</b> 200.1536 <b>Wiswesser Line Notation</b> T6N CNTJ ANW CNW <b>Evaluation</b> C	71HAL
$\text{C}_4\text{H}_8\text{N}_2\text{O}_3$ (c) Glycylglycine <b>Heat Capacity</b> 298.15 K, $C_p = 163.97 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ Temperature range 11 to 305 K. <b>Entropy</b> 298.15 K, $S = 180.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ <b>Molecular Weight</b> 132.1188 <b>Wiswesser Line Notation</b> Z1VM1VQ <b>Evaluation</b> A	69HUT/COL2	$\text{C}_4\text{H}_8\text{N}_8\text{O}_8$ (c, $\alpha$ ) 1,3,5,7-Tetranitro-1,3,5,7-tetrazocine ( $\alpha$ ); Octogen ( $\alpha$ ); HMX <b>Heat Capacity</b> 298 K, $C_p = 307 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ Temperature range 203 to 523 K. $\alpha$ -Phase. $C_p = 0.0991 + 5 \times 10^{-4} \text{ T cal} \cdot \text{K}^{-1} \cdot \text{g}^{-1}$ (-70 to 250 °C). <b>Phase Changes</b> c,II/c,I 193–201 K, $\Delta H = 7398 \text{ J} \cdot \text{mol}^{-1}$ $\alpha$ - $\delta$ Transition. Data also given for the following transitions: $\beta$ - $\delta$ : T=167 to 183 °C; $\Delta H = 9801 \text{ J} \cdot \text{mol}^{-1}$ . $\gamma$ - $\delta$ : T=175 to 182 °C; $\Delta H = 2788 \text{ J} \cdot \text{mol}^{-1}$ . <b>Molecular Weight</b> 296.1560 <b>Wiswesser Line Notation</b> T8N CN EN GNTJ ANW CNW ENW GNW <b>Evaluation</b> B	70LIC
$\text{C}_4\text{H}_8\text{N}_2\text{O}_3$ (c) Glycylglycine <b>Heat Capacity</b> 298 K, $C_p = 149.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ Temperature range 298 to 348 K. <b>Molecular Weight</b> 132.1188 <b>Wiswesser Line Notation</b> Z1VM1VQ <b>Evaluation</b> C	89KUL/KOZ	$\text{C}_4\text{H}_8\text{N}_8\text{O}_8$ (c) 1,3,5,7-Tetranitro-1,3,5,7-tetrazocine; Octogen; HMX <b>Heat Capacity</b> 298 K, $C_p = 301 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ ; $C_p = 0.0935 + 5 \times 10^{-4} \text{ T cal} \cdot \text{K}^{-1} \cdot \text{g}^{-1}$ (-70 to 250 °C); $\gamma$ -HMX; $C_p(298 \text{ K}) = 328 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ ; $C_p = 0.1159 + 5 \times 10^{-4} \text{ T cal} \cdot \text{K}^{-1} \cdot \text{g}^{-1}$ (-70 to 250 °C); $\delta$ -HMX; $C_p(298 \text{ K}) = 387 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ ; $C_p = 0.1642 + 5 \times 10^{-4} \text{ T cal} \cdot \text{K}^{-1} \cdot \text{g}^{-1}$ (-70 to 250 °C). Data also given for the following polymorphic forms: $\beta$ -HMX; $\beta$ -HMX; $C_p(298 \text{ K}) = 301 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ ; $C_p = 0.0935 + 5 \times 10^{-4} \text{ T cal} \cdot \text{K}^{-1} \cdot \text{g}^{-1}$ (-70 to 250 °C); $\gamma$ -HMX; $C_p(298 \text{ K}) = 328 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ ; $C_p = 0.1159 + 5 \times 10^{-4} \text{ T cal} \cdot \text{K}^{-1} \cdot \text{g}^{-1}$ (-70 to 250 °C); $\delta$ -HMX; $C_p(298 \text{ K}) = 387 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ ; $C_p = 0.1642 + 5 \times 10^{-4} \text{ T cal} \cdot \text{K}^{-1} \cdot \text{g}^{-1}$ (-70 to 250 °C).	70LIC
$\text{C}_4\text{H}_8\text{N}_2\text{O}_3$ (c) Glycylglycine <b>Heat Capacity</b> 298 K, $C_p = 149 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ Temperature range 298 to 348 K. <b>Molecular Weight</b> 132.1188 <b>Wiswesser Line Notation</b> Z1VM1VQ <b>Evaluation</b> D	90BAD/KUL	$\text{C}_4\text{H}_8\text{N}_8\text{O}_8$ (c) 1,3,5,7-Tetranitro-1,3,5,7-tetrazocine; Octogen; HMX <b>Heat Capacity</b> 298 K, $C_p = 471 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ $\alpha$ to $\delta$ transition, approximation. c,III/c,I 460 K, $\Delta H = 9832 \text{ J} \cdot \text{mol}^{-1}$ $\beta$ to $\delta$ transition. c,I/liq 551 K <b>Molecular Weight</b> 296.1560 <b>Wiswesser Line Notation</b> T8N CN EN GNTJ ANW CNW ENW GNW <b>Evaluation</b> C	71HAL
$\text{C}_4\text{H}_8\text{N}_2\text{O}_3$ (c) Asparagine(L) <b>Heat Capacity</b> 296.5 K, $C_p = 159.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ Temperature range 85 to 297 K. Value is unsmoothed experimental datum. <b>Entropy</b> 298.1 K, $S = 174.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ Extrapolation below 90 K, $49.79 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ . <b>Molecular Weight</b> 132.1188 <b>Wiswesser Line Notation</b> ZV1YZVQ -L <b>Evaluation</b> B( $C_p$ ), C(S)	32HUF/BOR	$\text{C}_4\text{H}_8\text{N}_8\text{O}_8$ (c, $\alpha$ ) 1,3,5,7-Tetranitro-1,3,5,7-tetrazocine ( $\alpha$ ); Octogen ( $\alpha$ ); HMX <b>Heat Capacity</b> 298 K, $C_p = 314.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ Temperature range 200 to 465 K. Equation only. <b>Phase Changes</b> c, $\alpha$ /c, $\beta$ 466–474 K, $\Delta H = 7406 \text{ J} \cdot \text{mol}^{-1}$ <b>Molecular Weight</b> 296.1560 <b>Wiswesser Line Notation</b> T8N CN EN GNTJ ANW CNW ENW GNW <b>Evaluation</b> C	73KRI/LIC
$\text{C}_4\text{H}_8\text{N}_2\text{O}_3 \cdot \text{H}_2\text{O}$ (c) Asparagine hydrate(L) <b>Heat Capacity</b> 296.7 K, $C_p = 205.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ Temperature range 90 to 297 K. Value is unsmoothed experimental datum. <b>Entropy</b> 298.1 K, $S = 213.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ Extrapolation below 90 K, $56.78 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ . <b>Molecular Weight</b> 150.1340 <b>Wiswesser Line Notation</b> ZV1YZVQ & QH -L <b>Evaluation</b> B( $C_p$ ), C(S)	32HUF/BOR	$\text{C}_4\text{H}_8\text{N}_8\text{O}_8$ (c, $\beta$ ) 1,3,5,7-Tetranitro-1,3,5,7-tetrazocine ( $\beta$ ); Octogen ( $\beta$ ); HMX <b>Heat Capacity</b> 298 K, $C_p = 307.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ Temperature range 200 to 452 K. Equation only. <b>Phase Changes</b> c, $\beta$ /c, $\delta$ 440–456 K, $\Delta H = 9791 \text{ J} \cdot \text{mol}^{-1}$ <b>Molecular Weight</b> 296.1560 <b>Wiswesser Line Notation</b> T8N CN EN GNTJ ANW CNW ENW GNW <b>Evaluation</b> C	73KRI/LIC
$\text{C}_4\text{H}_8\text{N}_2\text{O}_3 \cdot \text{H}_2\text{O}$ (c) Asparagine hydrate(L) <b>Heat Capacity</b> 298.15 K, $C_p = 207.90 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ Temperature range 10 to 310 K. <b>Entropy</b> 298.15 K, $S = 209.62 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ <b>Molecular Weight</b> 150.1340 <b>Wiswesser Line Notation</b> ZV1YZVQ & QH -L <b>Evaluation</b> A	63HUT/COL2	$\text{C}_4\text{H}_8\text{N}_8\text{O}_8$ (c, $\beta$ ) 1,3,5,7-Tetranitro-1,3,5,7-tetrazocine ( $\beta$ ); Octogen ( $\beta$ ); HMX <b>Heat Capacity</b> 298 K, $C_p = 307.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ Temperature range 200 to 452 K. Equation only. <b>Phase Changes</b> c, $\beta$ /c, $\delta$ 440–456 K, $\Delta H = 9791 \text{ J} \cdot \text{mol}^{-1}$ <b>Molecular Weight</b> 296.1560 <b>Wiswesser Line Notation</b> T8N CN EN GNTJ ANW CNW ENW GNW <b>Evaluation</b> C	73KRI/LIC

$C_4H_8N_8O_8$ (c, $\gamma$ )	73KRI/LIC	$C_4H_8O$ (liq)	88BAG/GUR
1,3,5,7-Tetranitro-1,3,5,7-tetrazocine( $\gamma$ ); Octogen( $\gamma$ ); HMX		2-Methoxy-1-propene	
<b>Heat Capacity</b> 298 K, $C_p = 315.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 301.50 K, $C_p = 162.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 200 to 440 K. Equation only.		Temperature range 270 to 340 K. Unsmoothed experimental datum.	
<b>Phase Changes</b>		<b>Molecular Weight</b> 72.1066	
c, $\gamma/c, \delta$ 440–455 K, $\Delta H = 2803 \text{ J} \cdot \text{mol}^{-1}$		<b>Wiswesser Line Notation</b> 1YO1U1	
<b>Molecular Weight</b> 296.1560		<b>Evaluation</b> B	
<b>Wiswesser Line Notation</b> T8N CN EN GNTJ ANW CNW ENW GNW			
<b>Evaluation</b> C			
$C_4H_8N_8O_8$ (c, $\delta$ )	73KRI/LIC	$C_4H_8O$ (liq)	33KOL/UDC
1,3,5,7-Tetranitro-1,3,5,7-tetrazocine( $\delta$ ); Octogen( $\delta$ ); HMX		Butanone; Methyl ethyl ketone	
<b>Heat Capacity</b> 298 K, $C_p = 374.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 297.0 K, $C_p = 160.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 200 to 530 K. Equation only.		One temperature.	
<b>Molecular Weight</b> 296.1560		<b>Molecular Weight</b> 72.1066	
<b>Wiswesser Line Notation</b> T8N CN EN GNTJ ANW CNW ENW GNW		<b>Wiswesser Line Notation</b> 2V1	
<b>Evaluation</b> C		<b>Evaluation</b> C	
$C_4H_8N_8O_8$ (c, $\beta$ )	83KOS/SHO	$C_4H_8O$ (liq)	34KOL/UDO:
1,3,5,7-Tetranitro-1,3,5,7-tetrazocine( $\beta$ ); Octogen( $\beta$ ); HMX		Butanone; Methyl ethyl ketone	
<b>Heat Capacity</b> 315 K, $C_p = 321.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 297.0 K, $C_p = 160.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 294 to 486 K. $\beta$ -phase, powdered blend. $C_p$ given as 1,084 $\text{J} \cdot \text{g}^{-1} \cdot \text{K}^{-1}$ .		One temperature.	
<b>Molecular Weight</b> 296.1560		<b>Molecular Weight</b> 72.1066	
<b>Wiswesser Line Notation</b> T8N CN EN GNTJ ANW CNW ENW GNW		<b>Wiswesser Line Notation</b> 2V1	
<b>Evaluation</b> B		<b>Evaluation</b> C	
$C_4H_8N_8O_8$ (c)	83KOS/SHO	$C_4H_8O$ (liq)	56PAR/KEN
1,3,5,7-Tetranitro-1,3,5,7-tetrazocine; Octogen; HMX		Butanone; Methyl ethyl ketone	
<b>Heat Capacity</b> 298 K, $C_p = 293 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K, $C_p = 158.41 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 294 to 486 K. Graphical extrapolation of data to 298 K; powdered blend.		Temperature range 80 to 300 K.	
<b>Molecular Weight</b> 296.1560		<b>Entropy</b> 298.1 K, $S = 241.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Wiswesser Line Notation</b> T8N CN EN GNTJ ANW CNW ENW GNW		<b>Phase Changes</b>	
<b>Evaluation</b> C		c/liq 186.1 K, $\Delta H = 8485 \text{ J} \cdot \text{mol}^{-1}$	
$C_4H_8N_8O_8$ (c, $\beta$ )	83KOS/SHO	<b>Molecular Weight</b> 72.1066	
1,3,5,7-Tetranitro-1,3,5,7-tetrazocine( $\beta$ ); Octogen( $\beta$ ); HMX		<b>Wiswesser Line Notation</b> 2V1	
<b>Heat Capacity</b> 298 K, $C_p = 297 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Evaluation</b> B( $C_p$ ), C(S)	
Temperature range 294 to 486 K. Graphical extrapolation of data to 298 K; single crystals, beta phase.			
<b>Phase Changes</b>			
c, II/I, I 453 K			
(c, $\beta$ /c, $\delta$ )			
<b>Molecular Weight</b> 296.1560			
<b>Wiswesser Line Notation</b> T8N CN EN GNTJ ANW CNW ENW GNW			
<b>Evaluation</b> C			
$C_4H_8N_8O_8$ (c)	91YIN/LIU	$C_4H_8O$ (liq)	64SIN/OE*
1,3,5,7-Tetranitro-1,3,5,7-tetrazocine; Octogen; HMX		Butanone; Methyl ethyl ketone	
<b>Heat Capacity</b> 298 K, $C_p = 290.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K, $C_p = 158.91 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 290 to 345 K. $C_p$ value reported at 298 K is 0.980 $\text{J/g} \cdot \text{K}$ .		Temperature range 13 to 308 K.	
<b>Molecular Weight</b> 296.1560		<b>Entropy</b> 298.15 K, $S = 238.82 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Wiswesser Line Notation</b> T8N CN EN GNTJ ANW CNW ENW GNW		<b>Phase Changes</b>	
<b>Evaluation</b> B		c/liq 186.48 K, $\Delta H = 8438.7 \text{ J} \cdot \text{mol}^{-1}$	
$C_4H_8N_8O_8$ (c)	92MAK	<b>Molecular Weight</b> 72.1066	
1,3,5,7-Tetranitro-1,3,5,7-tetrazocine; Octogen; HMX		<b>Wiswesser Line Notation</b> 2V1	
<b>Phase Changes</b>		<b>Evaluation</b> A	
c/liq 553.15 K, $\Delta H = 69873 \text{ J} \cdot \text{mol}^{-1}$			
<b>Molecular Weight</b> 296.1560			
<b>Wiswesser Line Notation</b> T8N CN EN GNTJ ANW CNW ENW GNW			
<b>Evaluation</b> B			
$C_4H_8N_8O_8$ (c)		$C_4H_8O$ (liq)	68AND/COT
1,3,5,7-Tetranitro-1,3,5,7-tetrazocine; Octogen; HMX		Butanone; Methyl ethyl ketone	
<b>Heat Capacity</b>		<b>Heat Capacity</b> 298.15 K, $C_p = 158.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
c/liq 553.15 K, $\Delta H = 69873 \text{ J} \cdot \text{mol}^{-1}$		Temperature range 10 to 320 K.	
<b>Molecular Weight</b> 296.1560		<b>Entropy</b> 298.15 K, $S = 239.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Wiswesser Line Notation</b> T8N CN EN GNTJ ANW CNW ENW GNW		<b>Phase Changes</b>	
<b>Evaluation</b> B		c/liq 186.47 K, $\Delta H = 8385 \text{ J} \cdot \text{mol}^{-1}$	
<b>Molecular Weight</b> 72.1066		<b>Molecular Weight</b> 72.1066	
<b>Wiswesser Line Notation</b> 2V1		<b>Evaluation</b> A	
<b>Evaluation</b> A		$\Delta S = 44.98 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	

<b>C<sub>4</sub>H<sub>8</sub>O</b> (liq)		75GRO/BEN	<b>C<sub>4</sub>H<sub>8</sub>O</b> (liq)		76CON/GIN
Butanone; Methyl ethyl ketone			Tetrahydrofuran; Oxolane		
<b>Heat Capacity</b> 298.15 K,		$C_p = 159.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298 K,		$C_p = 120.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
One temperature.			One temperature.		
<b>Molecular Weight</b> 72.1066			<b>Molecular Weight</b> 72.1066		
Wiswesser Line Notation 2V1			Wiswesser Line Notation T5OTJ		
Evaluation B			Evaluation C		
<b>C<sub>4</sub>H<sub>8</sub>O</b> (liq)		78ROU/PER2	<b>C<sub>4</sub>H<sub>8</sub>O</b> (liq)		77LEB/LIT2
Butanone; Methyl ethyl ketone			Tetrahydrofuran; Oxolane		
<b>Heat Capacity</b> 298.1 K,		$C_p = 158.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,		$C_p = 123.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 277 to 313 K.			Temperature range 5 to 400 K.		
<b>Molecular Weight</b> 72.1066			<b>Entropy</b> 298.15 K,		$S = 203.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Wiswesser Line Notation 2V1			<b>Phase Changes</b>		
Evaluation B			c/liq 164.76 K,		$\Delta H = 8540 \text{ J} \cdot \text{mol}^{-1}$
			liq/g 338.9 K		$\Delta S = 51.83 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>C<sub>4</sub>H<sub>8</sub>O</b> (liq)		84GRO/BEN	<b>Molecular Weight</b> 72.1066		
Butanone; Methyl ethyl ketone			Wiswesser Line Notation T5OTJ		
<b>Heat Capacity</b> 298.15 K,		$C_p = 157.91 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Evaluation A		
One temperature.					
<b>Molecular Weight</b> 72.1066					
Wiswesser Line Notation 2V1					
Evaluation B					
<b>C<sub>4</sub>H<sub>8</sub>O</b> (liq)		85COS/PAT	<b>C<sub>4</sub>H<sub>8</sub>O</b> (liq)		78LEB/RAB
Butanone; Methyl ethyl ketone			Tetrahydrofuran; Oxolane		
<b>Heat Capacity</b> 298.15 K,		$C_p = 158.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,		$C_p = 123.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
One temperature.			Temperature range 8 to 322 K.		
<b>Molecular Weight</b> 72.1066			<b>Entropy</b> 298.15 K,		$S = 203.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Wiswesser Line Notation 2V1			<b>Phase Changes</b>		
Evaluation B			c/liq 164.76 K,		$\Delta H = 8540 \text{ J} \cdot \text{mol}^{-1}$
					$\Delta S = 51.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>C<sub>4</sub>H<sub>8</sub>O</b> (liq)		85COS/PAT2	<b>Molecular Weight</b> 72.1066		
Butanone; Methyl ethyl ketone			Wiswesser Line Notation T5OTJ		
<b>Heat Capacity</b> 298.15 K,		$C_p = 158.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Evaluation A		
Temperature range 283.15, 298.15, 313.15 K.					
<b>Molecular Weight</b> 72.1066					
Wiswesser Line Notation 2V1					
Evaluation B					
<b>C<sub>4</sub>H<sub>8</sub>O</b> (liq)		86RED	<b>C<sub>4</sub>H<sub>8</sub>O</b> (liq)		79KIY/DAR
Butanone; Methyl ethyl ketone			Tetrahydrofuran; Oxolane		
<b>Heat Capacity</b> 303.15 K,		$C_p = 162.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,		$C_p = 123.56 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 303.15, 313.15 K.			One temperature.		
<b>Molecular Weight</b> 72.1066			<b>Entropy</b> 298.15 K,		
Wiswesser Line Notation 2V1			<b>Phase Changes</b>		
Evaluation B			c,I/liq 164.76 K,		$S = 203.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
					$\Delta H = 8540 \text{ J} \cdot \text{mol}^{-1}$
					$\Delta S = 51.83 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>C<sub>4</sub>H<sub>8</sub>O</b> (liq)		92MAL/WOO	<b>Molecular Weight</b> 72.1066		
Butanone; Methyl ethyl ketone			Wiswesser Line Notation T5OTJ		
<b>Heat Capacity</b> 298.15 K,		$C_p = 159 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Evaluation A		
Temperature range 278 to 338 K. p=0.1 MPa.					
<b>Molecular Weight</b> 72.1066					
Wiswesser Line Notation 2V1					
Evaluation B					
<b>C<sub>4</sub>H<sub>8</sub>O</b> (liq)		76BON/CER	<b>C<sub>4</sub>H<sub>8</sub>O</b> (liq)		81ING/CAS
Tetrahydrofuran; Oxolane			Tetrahydrofuran; Oxolane		
<b>Heat Capacity</b> 298.15 K,		$C_p = 120 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K.		$C_p = 122.92 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
One temperature.			One temperature.		
<b>Molecular Weight</b> 72.1066			<b>Entropy</b> 298.15 K,		
Wiswesser Line Notation T5OTJ			<b>Phase Changes</b>		
Evaluation B			c,I/liq 164.76 K,		

$C_4H_8O$ (liq)		85COS/PAT	$C_4H_8O$ (liq)		56PAR/KEN
Tetrahydrofuran; Oxolane			Butanal; n-Butyraldehyde		
<b>Heat Capacity</b>	298.15 K,	$C_p = 124.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p = 163.51 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
One temperature.			Temperature range 80 to 300 K.		
<b>Molecular Weight</b>	72.1066		<b>Entropy</b>	298.1 K,	$S = 246.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Wiswesser Line Notation T5OTJ			Extrapolation below 80 K, 43.93 $\text{J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .		
Evaluation	B		<b>Phase Changes</b>		
			c/liq	176.8 K,	$\Delta H = 11104 \text{ J} \cdot \text{mol}^{-1}$
					$\Delta S = 62.81 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
$C_4H_8O$ (liq)		85COS/PAT2	<b>Molecular Weight</b>	72.1066	
Tetrahydrofuran; Oxolane			Wiswesser Line Notation VH3		
<b>Heat Capacity</b>	298.15 K,	$C_p = 124.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Evaluation	$B(C_p), C(S)$	
Temperature range 283.15, 298.15, 313.15 K.					
<b>Molecular Weight</b>	72.1066				
Wiswesser Line Notation T5OTJ					
Evaluation	B				
$C_4H_8O \cdot 17H_2O$ (c)		82LEA/MUR	$C_4H_8O$ (liq)		89VAS/LEI
Tetrahydrofuran clathrate hydrate			Butanal; n-Butyraldehyde		
<b>Heat Capacity</b>			<b>Heat Capacity</b>	298.15 K,	$C_p = 164.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 120 to 260 K. Data given graphically.			Temperature range 11 to 330 K.		
<b>Phase Changes</b>			<b>Entropy</b>	298.15 K,	$S = 242.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c/liq	277.4 K,	$\Delta H = 98000 \text{ J} \cdot \text{mol}^{-1}$	<b>Phase Changes</b>		
		$\Delta S = 353.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	c/liq	176.28 K,	$\Delta H = 10773 \text{ J} \cdot \text{mol}^{-1}$
<b>Molecular Weight</b>	378.3650				$\Delta S = 61.11 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Wiswesser Line Notation T5OTJ & QH 17					$\Delta H = 76.9 \text{ J} \cdot \text{mol}^{-1}$
Evaluation	A				$\Delta S = 0.388 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Actual formula: $C_4H_8O \cdot 16.9H_2O$			Temperature range 180 to 210 K.		
			liq/liq	192.2 K,	$\Delta H = 63.4 \text{ J} \cdot \text{mol}^{-1}$
					$\Delta S = 0.223 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
			Temperature range 260 to 280 K.		
$C_4H_8O \cdot 17H_2O$ (c)		84HAN/HAW	<b>Molecular Weight</b>	72.1066	
Tetrahydrofuran clathrate hydrate			Wiswesser Line Notation VH3		
<b>Heat Capacity</b>			Evaluation	A	
Temperature range 85 to 270 K. $C_p$ (85 to 270 K) = 0.2562					
+ 0.009446(T/K) - 3.3092 $\times 10^{-5}(T/K)^2 + 8.3958 \times 10^{-8}(T/K)^3 \text{ J/K} \cdot \text{g.}$					
<b>Phase Changes</b>					
c/liq	277.3 K,	$\Delta H = 98999 \text{ J} \cdot \text{mol}^{-1}$			
<b>Molecular Weight</b>	378.3650				
Wiswesser Line Notation T5OTJ & QH 17					
Evaluation	A				
Actual formula: $C_4H_8O \cdot 16.9H_2O$					
$C_4H_8O \cdot 17H_2O$ (liq)		85HAN	$(C_4H_8O)_n$ (c)		77LEB/LIT
Tetrahydrofuran clathrate hydrate			Polytetrahydrofuran		
<b>Heat Capacity</b>			<b>Phase Changes</b>		
Temperature range 95 to 260 K.			c,II/c,I	186 K	
<b>Phase Changes</b>			Glass point.		
c/liq	277.3 K,	$\Delta H = 99100 \text{ J} \cdot \text{mol}^{-1}$	c/liq	316 K,	$\Delta H = 11000 \text{ J} \cdot \text{mol}^{-1}$
		$\Delta S = 357.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			$\Delta S = 34.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	378.3650		<b>Molecular Weight</b>	72.1066	
Wiswesser Line Notation T5OTJ & QH 17			Wiswesser Line Notation /*O4*/		
Evaluation	A		Evaluation	A	
Actual formula: $C_4H_8O \cdot 17H_2O$			T(glass) = 186 K.		
$C_4H_8O \cdot 17H_2O$ (liq)		88YAM/OGU	$(C_4H_8O)_n$ (c)		77LEB/LIT
Tetrahydrofuran clathrate hydrate			Polytetrahydrofuran		
<b>Heat Capacity</b>	298.15 K,	$C_p = 1523.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	200 K,	$C_p = 81.30 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 12 to 300 K.			Temperature range 5 to 400 K. Transition region at 298.15 K.		
<b>Entropy</b>	298.15 K,	$S = 1298.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Entropy</b>	200 K,	$S = 83.06 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Phase Changes</b>			<b>Phase Changes</b>		
c,II/c,I	85 K		c/liq	316 K,	$\Delta H = 11000 \text{ J} \cdot \text{mol}^{-1}$
Glass transition					$\Delta S = 34.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c/liq	277.4 K,	$\Delta H = 96980 \text{ J} \cdot \text{mol}^{-1}$	<b>Molecular Weight</b>	72.1066	
		$\Delta S = 349.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Wiswesser Line Notation /*O4*/		
<b>Molecular Weight</b>	378.3650		Evaluation	A	
Wiswesser Line Notation T5OTJ & QH 17			T(glass) = 186 K.		
Evaluation	A				
Actual formula: $C_4H_8O \cdot 16.64H_2O$					
$C_4H_8O_2$ (liq)		33PAR/HL	$C_4H_8O_2$ (liq)		
Ethyl acetate; Ethyl ethanoate			<b>Heat Capacity</b>	293.6 K,	$C_p = 169.20 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Heat Capacity</b>			Temperature range 92 to 294 K. Value is unsmoothed experiment datum.		
			<b>Entropy</b>	298.1 K,	$S = 259.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
			Extrapolation below 90 K, 62.80 $\text{J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .		
<b>Phase Changes</b>			<b>Phase Changes</b>		
c/liq	189.3 K,	$\Delta H = 10481 \text{ J} \cdot \text{mol}^{-1}$	c/liq	189.3 K,	$\Delta H = 10481 \text{ J} \cdot \text{mol}^{-1}$
		$\Delta S = 55.27 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			$\Delta S = 55.27 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	88.1060		<b>Molecular Weight</b>	88.1060	
Wiswesser Line Notation 2OV1			Wiswesser Line Notation 2OV1		
Evaluation	$B(C_p), C(S)$		Evaluation	$B(C_p), C(S)$	

$\text{C}_4\text{H}_8\text{O}_2$ (liq) Ethyl acetate; Ethyl ethanoate <b>Heat Capacity</b> 290 K, One temperature. <b>Molecular Weight</b> 88.1060 <b>Wiswesser Line Notation</b> 2OV1 <b>Evaluation</b> D	36KUR/VOS $C_p = 157.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	$\text{C}_4\text{H}_8\text{O}_2$ (liq) Ethyl acetate; Ethyl ethanoate <b>Heat Capacity</b> 298.32 K, Temperature range 294 to 340 K. Unsmoothed experimental datum. <b>Molecular Weight</b> 88.1060 <b>Wiswesser Line Notation</b> 2OV1 <b>Evaluation</b> B	87ZAB/HYN $C_p = 170.59 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
$\text{C}_4\text{H}_8\text{O}_2$ (liq) Ethyl acetate; Ethyl ethanoate <b>Heat Capacity</b> 303.61 K, Temperature range 5 to 46 °C. Value is unsmoothed experimental datum. <b>Molecular Weight</b> 88.1060 <b>Wiswesser Line Notation</b> 2OV1 <b>Evaluation</b> C	45ZHD $C_p = 168.82 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	$\text{C}_4\text{H}_8\text{O}_2$ (liq) Ethyl acetate; Ethyl ethanoate <b>Heat Capacity</b> 298.15 K, One temperature. <b>Molecular Weight</b> 88.1060 <b>Wiswesser Line Notation</b> 2OV1 <b>Evaluation</b> B	88PIN/BRA $C_p = 168.94 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
$\text{C}_4\text{H}_8\text{O}_2$ (liq) Ethyl acetate; Ethyl ethanoate <b>Heat Capacity</b> 298.1 K, Temperature range 283 to 313 K. <b>Molecular Weight</b> 88.1060 <b>Wiswesser Line Notation</b> 2OV1 <b>Evaluation</b> B	78ROU/PER2 $C_p = 169.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	$\text{C}_4\text{H}_8\text{O}_2$ (liq) Methyl propionate; Methyl propanoate <b>Heat Capacity</b> 298.15 K, One temperature. <b>Molecular Weight</b> 88.1060 <b>Wiswesser Line Notation</b> 2VO1 <b>Evaluation</b> B	79FUC $C_p = 174.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
$\text{C}_4\text{H}_8\text{O}_2$ (liq) Ethyl acetate; Ethyl ethanoate <b>Heat Capacity</b> 298.15 K, One temperature. <b>Molecular Weight</b> 88.1060 <b>Wiswesser Line Notation</b> 2OV1 <b>Evaluation</b> B	79FUC $C_p = 167.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	$\text{C}_4\text{H}_8\text{O}_2$ (liq) Methyl propionate; Methyl propanoate <b>Heat Capacity</b> 298.38 K, Temperature range 205 to 348 K. Unsmoothed experimental datum. <b>Molecular Weight</b> 88.1060 <b>Wiswesser Line Notation</b> 2VO1 <b>Evaluation</b> C	84GUS/SHU $C_p = 175.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
$\text{C}_4\text{H}_8\text{O}_2$ (liq) Ethyl acetate; Ethyl ethanoate <b>Heat Capacity</b> 298.15 K, One temperature. <b>Molecular Weight</b> 88.1060 <b>Wiswesser Line Notation</b> 2OV1 <b>Evaluation</b> B	85BAL/BRA $C_p = 169.06 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	$\text{C}_4\text{H}_8\text{O}_2$ (liq) Methyl propionate; Methyl propanoate <b>Heat Capacity</b> 298.15 K, One temperature. <b>Molecular Weight</b> 88.1060 <b>Wiswesser Line Notation</b> 2VO1 <b>Evaluation</b> B	85BAL/BRA $C_p = 171.20 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
$\text{C}_4\text{H}_8\text{O}_2$ (liq) Ethyl acetate; Ethyl ethanoate <b>Heat Capacity</b> 298.15 K, One temperature. <b>Molecular Weight</b> 88.1060 <b>Wiswesser Line Notation</b> 2OV1 <b>Evaluation</b> B	85COS/PAT $C_p = 169.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	$\text{C}_4\text{H}_8\text{O}_2$ (liq) Methyl propionate; Methyl propanoate <b>Heat Capacity</b> 298.15 K, One temperature. <b>Molecular Weight</b> 88.1060 <b>Wiswesser Line Notation</b> 2VO1 <b>Evaluation</b> B	86JIM/ROM $C_p = 172.74 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
$\text{C}_4\text{H}_8\text{O}_2$ (liq) Ethyl acetate; Ethyl ethanoate <b>Heat Capacity</b> 298.15 K, Temperature range 283.15, 298.15, 313.15 K. <b>Molecular Weight</b> 88.1060 <b>Wiswesser Line Notation</b> 2OV1 <b>Evaluation</b> B	85COS/PAT2 $C_p = 169.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	$\text{C}_4\text{H}_8\text{O}_2$ (liq) Methyl propionate; Methyl propanoate <b>Heat Capacity</b> 301.45 K, Temperature range 296 to 342 K. Unsmoothed experimental datum. <b>Molecular Weight</b> 88.1060 <b>Wiswesser Line Notation</b> 2VO1 <b>Evaluation</b> B	87ZAB/HYN $C_p = 174.60 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
$\text{C}_4\text{H}_8\text{O}_2$ (liq) Ethyl acetate; Ethyl ethanoate <b>Heat Capacity</b> 298.15 K, One temperature. <b>Molecular Weight</b> 88.1060 <b>Wiswesser Line Notation</b> 2OV1 <b>Evaluation</b> B	86JIM/ROM $C_p = 169.30 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	$\text{C}_4\text{H}_8\text{O}_2$ (liq) Methyl propionate; Methyl propanoate <b>Heat Capacity</b> 298.15 K, One temperature. <b>Molecular Weight</b> 88.1060 <b>Wiswesser Line Notation</b> 2VO1 <b>Evaluation</b> B	88PIN/BRA $C_p = 171.21 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$

$C_4H_8O_2$ (liq)	85BAL/BRA	$C_4H_8O_2$ (liq)	82MAR/AND
Propyl methanoate; Propyl formate		Butanoic acid; n-Butyric acid	
<b>Heat Capacity</b> 298.15 K,	$C_p=172.07 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K, $C_p=177.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
One temperature.		Temperature range 13 to 450 K. Data also given by equation.	
<b>Molecular Weight</b> 88.1060		<b>Entropy</b> 298.15 K, $S=225.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Wiswesser Line Notation</b> 3OVH		<b>Phase Changes</b>	
<b>Evaluation</b> B		c,II/c,I 155-230 K, $\Delta H=1040 \text{ J}\cdot\text{mol}^{-1}$	
		c,I/liq 268.03 K, $\Delta H=11590 \text{ J}\cdot\text{mol}^{-1}$	
		$\Delta S=5.06 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
		$\Delta S=43.24 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
$C_4H_8O_2$ (liq)	86JIM/ROM	<b>Molecular Weight</b> 88.1060	
Propyl methanoate; Propyl formate		<b>Wiswesser Line Notation</b> QV3	
<b>Heat Capacity</b> 298.15 K,	$C_p=171.42 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Evaluation</b> A	
One temperature.			
<b>Molecular Weight</b> 88.1060		$C_4H_8O_2$ (liq)	1881RE
<b>Wiswesser Line Notation</b> 3OVH		Isobutyric acid; 2-Methylpropanoic acid	
<b>Evaluation</b> B		<b>Heat Capacity</b> 298 K, $C_p=171.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
		Temperature range 291 to 448 K.	
$C_4H_8O_2$ (liq)	88PIN/BRA	<b>Molecular Weight</b> 88.1060	
Propyl methanoate; Propyl formate		<b>Wiswesser Line Notation</b> QVY1&1	
<b>Heat Capacity</b> 298.15 K,	$C_p=172.10 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Evaluation</b> D	
One temperature.		$C_4H_8O_2$ (liq)	71KON/WAI
<b>Molecular Weight</b> 88.1060		Isobutyric acid; 2-Methylpropanoic acid	
<b>Wiswesser Line Notation</b> 3OVH		<b>Heat Capacity</b> 298.15 K, $C_p=173 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Evaluation</b> B		One temperature.	
$C_4H_8O_2$ (liq)	1881REI	<b>Molecular Weight</b> 88.1060	
Butanoic acid; n-Butyric acid		<b>Wiswesser Line Notation</b> QVY1&1	
<b>Heat Capacity</b> 298 K,	$C_p=176.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Evaluation</b> B	
Temperature range 292 to 448 K.		$C_4H_8O_2$ (liq)	82BIR/SII
<b>Molecular Weight</b> 88.1060		Isobutyric acid; 2-Methylpropanoic acid	
<b>Wiswesser Line Notation</b> QV3		<b>Heat Capacity</b> 290.7 K, $C_p=181.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Evaluation</b> D		Temperature range 270 to 370 K. Equation only. $C_p=130.1-0.0815 T+0.0008541 T^2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
$C_4H_8O_2$ (liq)	26PAR/AND	<b>Molecular Weight</b> 88.1060	
Butanoic acid; n-Butyric acid		<b>Wiswesser Line Notation</b> QVY1&1	
<b>Heat Capacity</b> 290.7 K, $C_p=176.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Evaluation</b> C	
Temperature range 89 to 291292 to 448 K. Value is unsmoothed experimental datum.		$C_4H_8O_2$ (liq)	76CON/GI
<b>Entropy</b> 298.1 K, $S=255.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		1,3-Dioxane	
Extrapolation below 90 K, 82.42 $\text{J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ .		<b>Heat Capacity</b> 298 K, $C_p=143.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Phase Changes</b>		One temperature.	
c/liq 267.4 K, $\Delta H=11071 \text{ J}\cdot\text{mol}^{-1}$		<b>Molecular Weight</b> 88.1060	
		<b>Wiswesser Line Notation</b> T6O COTJ	
<b>Molecular Weight</b> 88.1060		<b>Evaluation</b> B	
<b>Wiswesser Line Notation</b> QV3			
<b>Evaluation</b> B( $C_p$ ),C(S)		$C_4H_8O_2 \cdot 17H_2O$ (liq)	85HA
$C_4H_8O_2$ (liq)	29PAR/KEL	1,3-Dioxane clathrate hydrate	
Butanoic acid; n-Butyric acid		<b>Heat Capacity</b> 250 K, $C_p=745 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Entropy</b> 298.1 K, $S=226.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		Temperature range 95 to 250 K.	
Extrapolation below 90 K, 53.6 $\text{J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ . Revision of previous data.		<b>Phase Changes</b>	
<b>Molecular Weight</b> 88.1060		c,Uliq 269.6 K, $\Delta H=89900 \text{ J}\cdot\text{mol}^{-1}$	
<b>Wiswesser Line Notation</b> QV3		$\Delta S=333.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Evaluation</b> C		<b>Molecular Weight</b> 394.3644	
		<b>Wiswesser Line Notation</b> T6O COTJ & QH 17	
$C_4H_8O_2$ (liq)	71KON/WAD	<b>Evaluation</b> A	
Butanoic acid; n-Butyric acid		Actual formula: $C_4H_8O_2 \cdot 17H_2O$ .	
<b>Heat Capacity</b> 298.15 K, $C_p=178 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
One temperature.		$C_4H_8O_2$ (liq)	29HER/LC
<b>Molecular Weight</b> 88.1060		1,4-Dioxane	
<b>Wiswesser Line Notation</b> QV3		<b>Heat Capacity</b> 296 K, $C_p=154.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Evaluation</b> B		One temperature.	
		<b>Molecular Weight</b> 88.1060	
		<b>Wiswesser Line Notation</b> T6O DOTJ	
		<b>Evaluation</b> C	

$C_4H_8O_2$ (liq) 1,4-Dioxane <b>Heat Capacity</b> 291 K, Temperature range 8 to 28 °C. <b>Phase Changes</b> c/liq 283.2 K, $\Delta H = 11880 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 41.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ <b>Molecular Weight</b> 88.1060 <b>Wiswesser Line Notation</b> T6O DOTJ <b>Evaluation</b> C	33ROT/MEY $C_p = 146.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	$C_4H_8O_2$ (liq) 1,4-Dioxane <b>Heat Capacity</b> 298 K, One temperature. <b>Molecular Weight</b> 88.1060 <b>Wiswesser Line Notation</b> T6O DOTJ <b>Evaluation</b> B	79MUR/SUB $C_p = 149.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
$C_4H_8O_2$ (liq) 1,4-Dioxane <b>Heat Capacity</b> 298.2 K, Temperature range 92 to 299 K. Value is unsmoothed experimental datum. <b>Entropy</b> 298.1 K, Extrapolation below 90 K, 11.12 cal·mol <sup>-1</sup> ·K <sup>-1</sup> . <b>Phase Changes</b> c,II/c,l 272.9 K, $\Delta H = 2351 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 8.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ c,I/liq 284.1 K, $\Delta H = 12845 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 45.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ <b>Molecular Weight</b> 88.1060 <b>Wiswesser Line Notation</b> T6O DOTJ <b>Evaluation</b> B( $C_p$ ),C(S)	34JAC/PAR $C_p = 152.97 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	$C_4H_8O_2$ (liq) 1,4-Dioxane <b>Heat Capacity</b> 298.15 K, One temperature. <b>Molecular Weight</b> 88.1060 <b>Wiswesser Line Notation</b> T6O DOTJ <b>Evaluation</b> B	81ING/CAS $C_p = 149.73 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
$C_4H_8O_2$ (liq) 1,4-Dioxane <b>Heat Capacity</b> 298 K, One temperature. <b>Molecular Weight</b> 88.1060 <b>Wiswesser Line Notation</b> T6O DOTJ <b>Evaluation</b> C	69SUB/KHA $C_p = 147.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	$C_4H_8O_2$ (liq) 1,4-Dioxane <b>Heat Capacity</b> 298.15 K, One temperature. <b>Molecular Weight</b> 88.1060 <b>Wiswesser Line Notation</b> T6O DOTJ <b>Evaluation</b> B	84GRO/ING $C_p = 150.65 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
$C_4H_8O_2$ (liq) 1,4-Dioxane <b>Heat Capacity</b> 298 K, Temperature range 298 to 318 K. <b>Molecular Weight</b> 88.1060 <b>Wiswesser Line Notation</b> T6O DOTJ <b>Evaluation</b> B	71DES/BHA $C_p = 155.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	$C_4H_8O_2$ (liq) 1,4-Dioxane <b>Heat Capacity</b> 298.15 K, One temperature. <b>Molecular Weight</b> 88.1060 <b>Wiswesser Line Notation</b> T6O DOTJ <b>Evaluation</b> B	84ING/GRO $C_p = 150.77 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
$C_4H_8O_2$ (liq) 1,4-Dioxane <b>Heat Capacity</b> 298.15 K, Temperature range 298, 313 K. <b>Molecular Weight</b> 88.1060 <b>Wiswesser Line Notation</b> T6O DOTJ <b>Evaluation</b> B	71HYD/SUB $C_p = 147.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	$C_4H_8O_2$ (liq) 1,4-Dioxane <b>Heat Capacity</b> 298.15 K, One temperature. <b>Molecular Weight</b> 88.1060 <b>Wiswesser Line Notation</b> T6O DOTJ <b>Evaluation</b> B	89BAR/KOO2 $C_p = 149.489 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
$C_4H_8O_2$ (liq) 1,4-Dioxane <b>Heat Capacity</b> 298.15 K, Temperature range 298, 313 K. <b>Molecular Weight</b> 88.1060 <b>Wiswesser Line Notation</b> T6O DOTJ <b>Evaluation</b> B	76BON/CER $C_p = 149 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	$C_4H_8O_2$ (liq) 1,4-Dioxane <b>Heat Capacity</b> 298.15 K, One temperature. <b>Molecular Weight</b> 88.1060 <b>Wiswesser Line Notation</b> T6O DOTJ <b>Evaluation</b> B	91TRE/COS $C_p = 150.57 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
$C_4H_8O_2$ (liq) 1,4-Dioxane <b>Heat Capacity</b> 298.15 K, One temperature. <b>Molecular Weight</b> 88.1060 <b>Wiswesser Line Notation</b> T6O DOTJ <b>Evaluation</b> B	76CON/GIN $C_p = 140.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	$C_4H_8O_2$ (liq) 1,4-Dioxane <b>Heat Capacity</b> 298.15 K, One temperature. <b>Molecular Weight</b> 88.1060 <b>Wiswesser Line Notation</b> T6O DOTJ <b>Evaluation</b> B	93GRO/ROU $C_p = 149.65 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
$(C_4H_8O_2)_n$ (c) 1,4-Butene polysulphone <b>Heat Capacity</b> 298 K, One temperature. <b>Molecular Weight</b> 88.1060 <b>Wiswesser Line Notation</b> T6O DOTJ <b>Evaluation</b> B	62DAI/EVA6 $C_p = 155.64 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		

$C_4H_8O_3$ (liq)		83SAN/CIO	$C_4H_9Br$ (liq)		93SHE
Ethylene glycol monoacetate			1-Bromo-2-methylpropane; Isobutyl bromide		
Heat Capacity 298.15 K,	$C_p=203 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		Heat Capacity 298.15 K,	$C_p=163.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 273.15 to 323.15 K.	$C_p^{\circ}(\text{kJ} \cdot \text{kg}^{-1} \cdot \text{K}^{-1}) = 0.042568T - 10.686$		One temperature.		
Molecular Weight 101.0817			Molecular Weight 137.0191		
Wiswesser Line Notation Q2OV1			Wiswesser Line Notation E1Y1&1		
Evaluation D			Evaluation B		
$C_4H_8O_4$ (c)		69CLE/MEL	$C_4H_9Br$ (liq)		31DEI
Tetroxan			1-Bromobutane; n-Butyl bromide		
Heat Capacity 298.15 K,	$C_p=142.22 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		Heat Capacity 292.3 K,	$C_p=152.21 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 80 TO 420 K.			Temperature range 94 to 293 K. Value is unsmoothed experimental datum.		
Entropy 298.15 K,	$S=167.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		Entropy 298.15 K,	$S=327.02 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Extrapolation below 80 K, 50.3 $\text{J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .			Extrapolation below 100 K, 42.84 $\text{J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .		
Phase Changes			Phase Changes		
c/liq 385 K,	$\Delta H=22600 \text{ J} \cdot \text{mol}^{-1}$		c/liq 160.4 K,	$\Delta H=9234 \text{ J} \cdot \text{mol}^{-1}$	
	$\Delta S=58.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			$\Delta S=57.57 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Molecular Weight 120.1048			Molecular Weight 137.0191		
Wiswesser Line Notation T8O CO EO GOTJ			Wiswesser Line Notation E4		
Evaluation B( $C_p$ ),C(S)			Evaluation B( $C_p$ ),C(S)		
$C_4H_8S$ (liq)		52HUB/FIN	$C_4H_9Br$ (liq)		48KUF
Thiacyclopentane			1-Bromobutane; n-Butyl bromide		
Heat Capacity 298.15 K,	$C_p=140.16 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		Heat Capacity 298 K,	$C_p=151.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 13 to 333 K.			Temperature range 13 to 100°C, mean $C_p$ , two temperatures.		
Entropy 298.15 K,	$S=207.82 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		Molecular Weight 137.0191		
Phase Changes			Wiswesser Line Notation E4		
c/liq 176.98 K,	$\Delta H=7352.1 \text{ J} \cdot \text{mol}^{-1}$		Evaluation D		
	$\Delta S=41.54 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$				
Molecular Weight 88.1672			$C_4H_9Br$ (liq)		93SHI
Wiswesser Line Notation T5STJ			1-Bromobutane; n-Butyl bromide		
Evaluation A			Heat Capacity 298.15 K,	$C_p=162.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
			One temperature.		
$C_4H_8S_2$ (c)		83DEW/OFF	Molecular Weight 137.0191		
1,3-Dithiane			Wiswesser Line Notation E4		
Heat Capacity 300 K,	$C_p=113.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		Evaluation B		
Temperature range 300 to 450 K.					
Phase Changes			$C_4H_9Br$ (liq)		50KUS/CRG
c.II/c.I 316.4 K,	$\Delta H=800 \text{ J} \cdot \text{mol}^{-1}$		2-Bromo-2-methylpropane; tert-Butyl bromide		
	$\Delta S=2.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		Heat Capacity 265.1 K,	$C_p=151.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
c.I/liq 327.2 K,	$\Delta H=14400 \text{ J} \cdot \text{mol}^{-1}$		Temperature range 117 to 265 K. Value is unsmoothed experimental datum.		
	$\Delta S=44.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		Phase Changes		
Molecular Weight 120.2272			c.III/c.II 208.6 K,	$\Delta H=5650 \text{ J} \cdot \text{mol}^{-1}$	
Wiswesser Line Notation T6S CSTJ				$\Delta S=27.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Evaluation B			c.II/c.I 231.5 K,	$\Delta H=1045 \text{ J} \cdot \text{mol}^{-1}$	
				$\Delta S=4.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
$C_4H_8S_2$ (c)		83DEW/OFF	c.II/liq 256.1 K,	$\Delta H=1965 \text{ J} \cdot \text{mol}^{-1}$	
1,4-Dithiane				$\Delta S=7.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Heat Capacity 300 K,	$C_p=129.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$				
Temperature range 300 to 450 K.					
Phase Changes			Molecular Weight 137.0191		
c.liq 384.6 K,	$\Delta H=21600 \text{ J} \cdot \text{mol}^{-1}$		Wiswesser Line Notation EX1&1&1		
	$\Delta S=56.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		Evaluation B		
Molecular Weight 120.2272					
Wiswesser Line Notation T6S DSTJ			$C_4H_9Br$ (liq)		93SH
Evaluation B			2-Bromo-2-methylpropane; tert-Butyl bromide		
			Heat Capacity 298.15 K,	$C_p=165.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
$C_4H_9Br$ (liq)			One temperature.		
1-Bromo-2-methylpropane; Isobutyl bromide.			Molecular Weight 137.0191		
Heat Capacity 298 K,	$C_p=154.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		Wiswesser Line Notation EX1&1&1		
Temperature range 11 to 80°C, mean $C_p$ , two temperatures.			Evaluation B		
Molecular Weight 137.0191					
Wiswesser Line Notation E1Y1&1					
Evaluation D					

<b>C<sub>4</sub>H<sub>9</sub>Cl</b> (liq)	48KUR	<b>C<sub>4</sub>H<sub>9</sub>Cl</b> (liq)	66DWO/GUI
1-Chloro-2-methylpropane; Isobutyl chloride		2-Chloro-2-methylpropane; tert-Butyl chloride	
<b>Heat Capacity</b> 298 K, $C_p = 158.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 272.73 K, $C_p = 172.80 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 14 to 59°C, mean $C_p$ , two temperatures.		Temperature range 82 to 273 K. Value is unsmoothed experimental datum.	
<b>Molecular Weight</b> 92.5681			
<b>Wiswesser Line Notation</b> G1Y1&1			
<b>Evaluation</b> D			
<b>C<sub>4</sub>H<sub>9</sub>Cl</b> (liq)	85LAI/WIL	<b>C<sub>4</sub>H<sub>9</sub>Cl</b> (liq)	93SHE
1-Chlorobutane; n-Butyl chloride		2-Chloro-2-methylpropane; tert-Butyl chloride	
<b>Heat Capacity</b> 298.15 K, $C_p = 159.64 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K, $C_p = 162.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
One temperature.		One temperature.	
<b>Molecular Weight</b> 92.5681		<b>Molecular Weight</b> 92.5681	
<b>Wiswesser Line Notation</b> G4		<b>Wiswesser Line Notation</b> GX1&1&1	
<b>Evaluation</b> A		<b>Evaluation</b> A	
<b>C<sub>4</sub>H<sub>9</sub>Cl</b> (liq)	93GRO/ROU	<b>C<sub>4</sub>H<sub>9</sub>Cl</b> (liq)	93SHE
1-Chlorobutane; n-Butyl chloride		2-Chloro-2-methylpropane; tert-Butyl chloride	
<b>Heat Capacity</b> 298.15 K, $C_p = 159.53 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K, $C_p = 160.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
One temperature.		One temperature.	
<b>Molecular Weight</b> 92.5681		<b>Molecular Weight</b> 92.5681	
<b>Wiswesser Line Notation</b> G4		<b>Wiswesser Line Notation</b> GX1&1&1	
<b>Evaluation</b> B		<b>Evaluation</b> B	
<b>C<sub>4</sub>H<sub>9</sub>Cl</b> (liq)	93SHE	<b>C<sub>4</sub>H<sub>9</sub>Cl</b> (liq)	93SHE
1-Chlorobutane; n-Butyl chloride		2-Chlorobutane; sec-Butyl chloride	
<b>Heat Capacity</b> 298.15 K, $C_p = 158.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K, $C_p = 160.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
One temperature.		One temperature.	
<b>Molecular Weight</b> 92.5681		<b>Molecular Weight</b> 92.5681	
<b>Wiswesser Line Notation</b> G4		<b>Wiswesser Line Notation</b> GY2&1	
<b>Evaluation</b> B		<b>Evaluation</b> B	
<b>C<sub>4</sub>H<sub>9</sub>Cl</b> (liq)	92HE/AN	<b>C<sub>4</sub>H<sub>9</sub>I</b> (liq)	1881REI
2-Chlorobutane; sec-Butyl chloride		1-Iodo-2-methylpropane; Isobutyl iodide	
<b>Heat Capacity</b> 298.15 K, $C_p = 174.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298 K, $C_p = 162.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
One temperature.		Temperature range 290 to 417 K	
<b>Molecular Weight</b> 92.5681		<b>Molecular Weight</b> 184.0196	
<b>Wiswesser Line Notation</b> GY2&1		<b>Wiswesser Line Notation</b> I1Y1&1	
<b>Evaluation</b> B		<b>Evaluation</b> D	
<b>C<sub>4</sub>H<sub>9</sub>Cl</b> (liq)	50KUS/CRO	<b>C<sub>4</sub>H<sub>9</sub>I</b> (liq)	93SHE
2-Chloro-2-methylpropane; tert-Butyl chloride		1-Iodo-2-methylpropane; Isobutyl iodide	
<b>Heat Capacity</b> 259.6 K, $C_p = 152.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K, $C_p = 165.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 122 to 260 K. Value is unsmoothed experimental datum.		One temperature.	
<b>Phase Changes</b>			
c.III/c.II	183.1 K,	$\Delta H = 1715 \text{ J} \cdot \text{mol}^{-1}$	
		$\Delta S = 9.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
c.II/c.I	219.6 K,	$\Delta H = -5815 \text{ J} \cdot \text{mol}^{-1}$	
		$\Delta S = 26.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
c.I/liq	248.1 K,	$\Delta H = 2010 \text{ J} \cdot \text{mol}^{-1}$	
		$\Delta S = 8.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Molecular Weight</b> 92.5681			
<b>Wiswesser Line Notation</b> GX1&1&1			
<b>Evaluation</b> B			
<b>C<sub>4</sub>H<sub>9</sub>I</b> (liq)		<b>C<sub>4</sub>H<sub>9</sub>I</b> (liq)	93SHE
1-Iodobutane; n-Butyl iodide		1-Iodobutane; sec-Butyl iodide	
<b>Heat Capacity</b> 298.15 K, $C_p = 164.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K, $C_p = 165.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
One temperature.		One temperature.	
<b>Molecular Weight</b> 184.0196		<b>Molecular Weight</b> 184.0196	
<b>Wiswesser Line Notation</b> I4		<b>Wiswesser Line Notation</b> I4	
<b>Evaluation</b> B		<b>Evaluation</b> B	

<b>C<sub>4</sub>H<sub>9</sub>N</b> (liq)		59HIL/SIN	<b>C<sub>4</sub>H<sub>9</sub>NO</b> (liq)		71KON/WAD
Pyrrolidine			N-Methylpropanamide		
<b>Heat Capacity</b> 298.15 K, Temperature range 14 to 312 K.		$C_p = 156.57 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K, One temperature.		$C_p = 179 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Entropy</b> 298.15 K,		$S = 204.10 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b> 87.1212		
<b>Phase Changes</b>		$\Delta H = 531 \text{ J} \cdot \text{mol}^{-1}$	<b>Wiswesser Line Notation</b> 2VM1		
c,II/c,I	207.14 K,	$\Delta S = 2.56 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Evaluation</b> B		
c,I/liq	215.31 K,	$\Delta H = 8590 \text{ J} \cdot \text{mol}^{-1}$			
		$\Delta S = 39.90 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
<b>Molecular Weight</b> 71.1218					
<b>Wiswesser Line Notation</b> T5MTJ					
<b>Evaluation</b> A					
<b>C<sub>4</sub>H<sub>9</sub>N</b> (liq)		59MCC/DOU	<b>C<sub>4</sub>H<sub>9</sub>NO</b> (liq)		02LOU
Pyrrolidine			Methyl ethyl ketoxime		
<b>Heat Capacity</b> 298.15 K, Temperature range 13 to 350 K.		$C_p = 156.57 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 350 K, Mean value 21 to 151 °C.		$C_p = 238 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Entropy</b> 298.15 K,		$S = 204.01 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b> 87.1212		
<b>Phase Changes</b>		$\Delta H = 540.1 \text{ J} \cdot \text{mol}^{-1}$	<b>Wiswesser Line Notation</b> QNUY1&1		
c,II/c,I	207.14 K,	$\Delta S = 2.61 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Evaluation</b> D		
c,I/liq	215.31 K,	$\Delta H = 8577 \text{ J} \cdot \text{mol}^{-1}$			
		$\Delta S = 39.84 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
<b>Molecular Weight</b> 71.1218					
<b>Wiswesser Line Notation</b> T5MTJ					
<b>Evaluation</b> A					
<b>C<sub>4</sub>H<sub>9</sub>N</b> (liq)		76CON/GIN	<b>C<sub>4</sub>H<sub>9</sub>NO</b> (liq)		42TRI/ENG
Pyrrolidine			Morpholine; Tetrahydro-1,4-isoxazine; Diethyleneimide oxide		
<b>Heat Capacity</b> 298 K, One temperature.		$C_p = 160.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298 K, Temperature range 273 to 403 K.		$C_p = 173.89 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b> 71.1218			<b>Molecular Weight</b> 87.1212		
<b>Wiswesser Line Notation</b> T5MTJ			<b>Wiswesser Line Notation</b> T6M DOTJ		
<b>Evaluation</b> B			<b>Evaluation</b> C		
<b>C<sub>4</sub>H<sub>9</sub>NO</b> (liq)		78DEV/HEU	<b>C<sub>4</sub>H<sub>9</sub>NO</b> (c)		80LYA
N,N-Dimethylacetamide			Morpholine; Tetrahydro-1,4-isoxazine; Diethyleneimide oxide		
<b>Heat Capacity</b> 298.15 K, One temperature.		$C_p = 178.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K, Temperature range 293 to 353 K. Data given graphically. $C_p$ value calculated from equation: $C_p(\text{J} \cdot \text{g}^{-1} \cdot \text{K}^{-1}) = 1.785 + 0.00427 T(\text{°C})$ .		$C_p = 164.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b> 87.1212			<b>Molecular Weight</b> 87.1212		
<b>Wiswesser Line Notation</b> 1VN1&1			<b>Wiswesser Line Notation</b> T6M DOTJ		
<b>Evaluation</b> B			<b>Evaluation</b> C		
<b>C<sub>4</sub>H<sub>9</sub>NO</b> (liq)		71KON/WAD	<b>C<sub>4</sub>H<sub>9</sub>NO</b> (c)		89ABB/JIM
N-Ethylethanamide; N-Ethylacetamide			2-Methylpropanamide		
<b>Heat Capacity</b> 298.15 K, One temperature.		$C_p = 180 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K, One temperature; $C_p$ given as 1.70 $\text{J} \cdot \text{g}^{-1} \cdot \text{K}^{-1}$ .		$C_p = 148.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b> 87.1212			<b>Phase Changes</b>		
<b>Wiswesser Line Notation</b> 2MV1			c/g 298.15 K, $\Delta H = 86000 \text{ J} \cdot \text{mol}^{-1}$		$\Delta S = 288.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Evaluation</b> B			<b>Molecular Weight</b> 87.1212		
<b>C<sub>4</sub>H<sub>9</sub>NO</b> (liq)			<b>Wiswesser Line Notation</b> ZVY1&1		
N-Ethylethanamide; N-Ethylacetamide			<b>Evaluation</b> A		
<b>Heat Capacity</b> 298.15 K, One temperature.					
<b>Molecular Weight</b> 87.1212					
<b>Wiswesser Line Notation</b> 2MV1					
<b>Evaluation</b> B					
<b>C<sub>4</sub>H<sub>9</sub>NO</b> (liq)		86ZEG/BOE	<b>C<sub>4</sub>H<sub>9</sub>NO<sub>2</sub></b> (c)		83SKO/SAI
N-Ethylethanamide; N-Ethylacetamide			γ-Aminobutyric acid; 4-Aminobutanoic acid		
<b>Heat Capacity</b> 298.15 K, One temperature.		$C_p = 180.28 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298 K, One temperature.		$C_p = 133.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b> 87.1212			<b>Molecular Weight</b> 103.1206		
<b>Wiswesser Line Notation</b> 2MV1			<b>Wiswesser Line Notation</b> Z3VQ		
<b>Evaluation</b> B			<b>Evaluation</b> B		
<b>C<sub>4</sub>H<sub>9</sub>NO</b> (liq)			<b>C<sub>4</sub>H<sub>9</sub>NO<sub>2</sub></b> (c)		41SAT/SOG
N-Ethylethanamide; N-Ethylacetamide			α-Aminobutyric acid; 2-Aminobutanoic acid		
<b>Heat Capacity</b> 298.15 K, One temperature.			<b>Heat Capacity</b> 323 K, $C_p = 160.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
<b>Molecular Weight</b> 87.1212			Temperature range 0 to 100 °C. Mean value.		
<b>Wiswesser Line Notation</b> 2MV1			<b>Molecular Weight</b> 103.1206		
<b>Evaluation</b> B			<b>Wiswesser Line Notation</b> ZY2&QV		
			<b>Evaluation</b> C		
			Same data as 40SAT/SOG4.		

$C_4H_9NO_2$ (c)		75SPI/WAD	$C_4H_9N_3O_2$ (c)		32HUF/BOR
$\alpha$ -Aminobutyric acid(DL); 2-Aminobutanoic acid(DL)			Creatine		
<b>Heat Capacity</b>	298.15 K,	$C_p=146.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	296.3 K,	$C_p=171.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
One temperature.			Temperature range 87 to 295 K. Value is unsmoothed experimental datum.		
<b>Molecular Weight</b>	103.1206		<b>Entropy</b>	298.1 K,	$S=189.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b>	ZY2&QV -DI		Extrapolation below 90 K, 55.69 $\text{J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .		
<b>Evaluation</b>	B		<b>Molecular Weight</b>	131.1340	
$C_4H_9NO_2$ (c)		84GRU/BOU	<b>Wiswesser Line Notation</b>	QV1N1&YZUM	
$\alpha$ -Aminobutyric acid (L); 2-Aminobutanoic acid (L)			<b>Evaluation</b>	$B(C_p), C(S)$	
<b>Phase Changes</b>			$C_4H_9N_3O_2$ (c)		41SAT/SOG3
c,II/c,I	356 K,	$\Delta H=530 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S=1.49 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Creatine		
<b>Molecular Weight</b>	103.1206		<b>Heat Capacity</b>	323 K,	$C_p=184.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b>	ZY2&QV -L		Temperature range 0 to 100 °C. Mean value.		
<b>Evaluation</b>	B		<b>Molecular Weight</b>	131.1340	
$C_4H_9NO_3$ (c)		70MUR/BRE	<b>Wiswesser Line Notation</b>	QV1N1&YZUM	
2-Methyl-2-nitro-1-propanol			<b>Evaluation</b>	C	
<b>Phase Changes</b>			Same data as 40SAT/SOG4.		
c,II/c,I	310 K,	$\Delta H=17195 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S=55.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	$C_4H_9N_3O_2 \cdot H_2O$ (c)		40HUF/FOX
c,II/liq	361 K,	$\Delta H=3738 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S=10.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Creatine hydrate		
<b>Molecular Weight</b>	119.1200		<b>Heat Capacity</b>	298.4 K,	$C_p=213.59 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b>	WNX1&1&1Q		Temperature range 90 to 298 K. Value is unsmoothed experimental datum.		
<b>Evaluation</b>	A		<b>Entropy</b>	298.15 K,	$S=234.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Extrapolation below 90 K, 68.58 <math>\text{J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}</math>.</b>			<b>Molecular Weight</b>	149.1492	
$C_4H_9NO_4$ (c)		39SAT/SOG	<b>Wiswesser Line Notation</b>	QV1N1&YZUM &QH	
Ammonium acid succinate			<b>Evaluation</b>	$B(C_p), C(S)$	
<b>Heat Capacity</b>	323 K,	$C_p=203.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	$C_4H_{10}$ (liq)		37PAR/SHO
Temperature range 0 to 100 °C. Mean value.			2-Methylpropane; Isobutane		
<b>Molecular Weight</b>	135.1194		<b>Heat Capacity</b>	258.3 K,	$C_p=128.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b>	QV2VQ &ZH		Temperature range 79 to 261 K. Value is unsmoothed experimental datum.		
<b>Evaluation</b>	C		<b>Entropy</b>	260.9 K,	$S=198.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Extrapolation below 67 K, 44.02 <math>\text{J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}</math>.</b>			<b>Phase Changes</b>	c/liq	$\Delta H=4498 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S=39.73 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
$C_4H_9NO_4$ (c)		70MUR/BRE	<b>Molecular Weight</b>	58.1230	
2-Methyl-2-nitro-1,3-propanediol			<b>Wiswesser Line Notation</b>	1Y1&1	
<b>Phase Changes</b>			<b>Evaluation</b>	$B(C_p), C(S)$	
c,II/c,I	352 K,	$\Delta H=25723 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S=73.22 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	$C_4H_{10}$ (liq)		40AST/KEN
c,II/liq	424 K,	$\Delta H=3844 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S=9.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	2-Methylpropane; Isobutane		
<b>Molecular Weight</b>	135.1194		<b>Heat Capacity</b>	260 K,	$C_p=129.70 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b>	WNX1&1Q1Q		Temperature range 20 to 260 K.		
<b>Evaluation</b>	A		<b>Entropy</b>	261.44 K,	$S=200.79 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Decomposition.			<b>Phase Changes</b>	c/liq	$\Delta H=4540 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S=39.92 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	151.1188		liq/g	261.44 K,	$\Delta H=-21297 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S=81.46 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b>	WNX1Q1Q1Q				$P=101.325 \text{ kPa}$
<b>Evaluation</b>	A		<b>Molecular Weight</b>	58.1230	
$C_4H_9NO_5$ (c)		70MUR/BRE	<b>Wiswesser Line Notation</b>	1Y1&1	
2-Hydroxymethyl-2-nitro-1,3-propanediol			<b>Evaluation</b>	A	
<b>Phase Changes</b>			$C_4H_{10}$ (liq)		
c,II/c,I	354 K,	$\Delta H=22446 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S=63.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	2-Methylpropane; Isobutane		
	457 K		<b>Heat Capacity</b>	260 K,	$C_p=129.70 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Decomposition.			Temperature range 20 to 260 K.		
<b>Molecular Weight</b>	151.1188		<b>Entropy</b>	261.44 K,	$S=200.79 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b>	WNX1Q1Q1Q		<b>Phase Changes</b>	c/liq	$\Delta H=4540 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S=39.92 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Evaluation</b>	A		liq/g	261.44 K,	$\Delta H=-21297 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S=81.46 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
$C_4H_9NO_6$ (c)		39SAT/SOG			
Ammonium acid tartrate			<b>Molecular Weight</b>	58.1230	
<b>Heat Capacity</b>	323 K,	$C_p=226.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Wiswesser Line Notation</b>	1Y1&1	
Temperature range 0 to 100 °C. Mean value.			<b>Evaluation</b>	A	
<b>Molecular Weight</b>	167.1182		$C_4H_{10}$ (liq)		
<b>Wiswesser Line Notation</b>	QVYQQYQVQ &ZH		2-Methylpropane; Isobutane		
<b>Evaluation</b>	C		<b>Heat Capacity</b>	260 K,	$C_p=129.70 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
			Temperature range 20 to 260 K.		

<b>C<sub>4</sub>H<sub>10</sub></b> (liq)	31HUF/PAR	<b>C<sub>4</sub>H<sub>10</sub>N<sub>2</sub></b> (liq)	88BOB/KAM
n-Butane		Piperazine	
<b>Heat Capacity</b> 261.8 K,	$C_p = 129.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 413 K,	$C_p = 237 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 69 to 262 K. Value is unsmoothed experimental datum.		Temperature range 413 to 473 K.	
<b>Entropy</b> 298.1 K,	$S = 229.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b> 86.1364	
Extrapolation below 90 K, 48.95 $\text{J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .		<b>Wiswesser Line Notation</b> T6M DMTJ	
Extrapolated above 262 K.		<b>Evaluation</b> D	
<b>Phase Changes</b>			
c,II/c,I	107.0 K,	$\Delta H = 2117 \text{ J} \cdot \text{mol}^{-1}$	
		$\Delta S = 19.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
c,I/liq	134.1 K,	$\Delta H = 4372 \text{ J} \cdot \text{mol}^{-1}$	
		$\Delta S = 32.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Molecular Weight</b> 58.1230			
<b>Wiswesser Line Notation</b> 4H			
<b>Evaluation</b> B( $C_p$ ), C(S)			
<b>C<sub>4</sub>H<sub>10</sub></b> (liq)	37PAR/SHO	<b>C<sub>4</sub>H<sub>10</sub>N<sub>2</sub>O</b> (c)	87DEL/FE
n-Butane		1,1,3-Trimethylurea	
<b>Entropy</b> 272.5 K,	$S = 226.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Phase Changes</b>	
Calculated from heat capacity data reported by 31HUF/PAR.		c/liq	344.4 K,
Extrapolation below 67 K, 41.34 $\text{J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .			$\Delta H = 14300 \text{ J} \cdot \text{mol}^{-1}$
<b>Molecular Weight</b> 58.1230			$\Delta S = 41.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b> 4H			
<b>Evaluation</b> C			
<b>C<sub>4</sub>H<sub>10</sub></b> (liq)	40AST/MES	<b>Molecular Weight</b> 102.1358	
n-Butane		<b>Wiswesser Line Notation</b> 1MVN1&1	
<b>Heat Capacity</b> 270 K,	$C_p = 132.42 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Evaluation</b> A	
Temperature range 11 to 270 K.			
<b>Entropy</b> 298.15 K,	$S = 231.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
Using extrapolated values of $C_p$ 273 to 298 K for the superheated liquid.			
<b>Phase Changes</b>			
c,II/c,I	107.55 K,	$\Delta H = 2067 \text{ J} \cdot \text{mol}^{-1}$	
		$\Delta S = 19.22 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
c,I/liq	134.86 K,	$\Delta H = 4661 \text{ J} \cdot \text{mol}^{-1}$	
		$\Delta S = 34.56 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
liq/g	272.05 K,	$\Delta H = 22389 \text{ J} \cdot \text{mol}^{-1}$	
		$\Delta S = 82.30 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
		$P = 101.325 \text{ kPa}$	
<b>Molecular Weight</b> 58.1230			
<b>Wiswesser Line Notation</b> 4H			
<b>Evaluation</b> A			
<b>C<sub>4</sub>H<sub>10</sub>Cl<sub>2</sub>Si</b> (liq)	69NAG/DZH	<b>C<sub>4</sub>D<sub>10</sub>N<sub>2</sub>O<sub>8</sub>·D<sub>2</sub>O</b> (c)	90FUK/MA
Dichlorodiethylsilane		Ammonium hydrogen oxalate hemihydrate-d <sub>12</sub>	
<b>Heat Capacity</b> 298.16 K.	$C_p = 214.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	
Temperature range 13 to 298.16 K.		Temperature range 13 to 300 K; data given graphically.	
<b>Entropy</b> 298.16 K,	$S = 346.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Phase Changes</b>	
<b>Phase Changes</b>		c,II/c,I	160.1 K,
c/liq	174.10 K,	$\Delta H = 8958 \text{ J} \cdot \text{mol}^{-1}$	$\Delta H = 1110 \text{ J} \cdot \text{mol}^{-1}$
		$\Delta S = 51.46 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	$\Delta S = 8.23 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b> 157.1145			
<b>Wiswesser Line Notation</b> 2-SI-GG2			
<b>Evaluation</b> A			
<b>C<sub>4</sub>H<sub>10</sub>Hg</b> (liq)	78BUR/KAM	<b>Molecular Weight</b> 244.2416	
Diethyl mercury		<b>Wiswesser Line Notation</b> QVVQ &ZH &QH &1/H-2 &4/H-2	
<b>Heat Capacity</b> 298.15 K.	$C_p = 182.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	&6/H-2 &7/H-2 &9/H-2 &10/H-2	
Temperature range 5 to 300 K.		<b>Evaluation</b> A	
<b>Phase Changes</b>		Note that authors have chosen to define a mole of substance as:	
c/liq	181.45 K,	$\times [(ND_4)DC_2O_4 \cdot 0.5D_2O]$ .	
<b>Molecular Weight</b> 258.7130			
<b>Wiswesser Line Notation</b> 2-HG-2			
<b>Evaluation</b> A			
<b>C<sub>4</sub>H<sub>10</sub>N<sub>2</sub>O<sub>8</sub>·H<sub>2</sub>O</b> (c)	90FUK/M.A		
Ammonium hydrogen oxalate hemihydrate			
<b>Heat Capacity</b>			
Temperature range 13 to 300 K; data given graphically.			
<b>Phase Changes</b>			
c,II/c,I	145.4 K,	$\Delta H = 730 \text{ J} \cdot \text{mol}^{-1}$	
		$\Delta S = 6.01 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Molecular Weight</b> 232.1468			
<b>Wiswesser Line Notation</b> QVVQ &ZH &QH			
<b>Evaluation</b> A			
Note that authors have chosen to define a mole of substance as:			
$\times [(NH_4)HC_2O_4 \cdot 0.5H_2O]$ .			

## HEAT CAPACITIES AND ENTROPIES OF ORGANIC COMPOUNDS

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<b>C<sub>4</sub>H<sub>10</sub>O</b> (liq)	75AND/MAR	<b>C<sub>4</sub>H<sub>10</sub>O</b> (liq)	36KUR/VOS
2-Oxa-3-methylbutane; Methyl isopropyl ether		3-Oxapentane; Diethyl ether	
<b>Heat Capacity</b> 298.15 K, $C_p = 161.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 290 K, $C_p = 167.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 12 to 350 K.		One temperature.	
<b>Entropy</b> 298.15 K, $S = 253.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Molecular Weight</b> 74.1224	
<b>Phase Changes</b>		<b>Wiswesser Line Notation</b> 2O2	
c,I/liq 127.93 K, $\Delta H = 5850 \text{ J} \cdot \text{mol}^{-1}$		<b>Evaluation</b> D	
	$\Delta S = 45.73 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
c,II/liq 123.06 K, $\Delta H = 5100 \text{ J} \cdot \text{mol}^{-1}$			
	$\Delta S = 41.44 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
Metastable crystals.			
<b>Molecular Weight</b> 74.1224		<b>C<sub>4</sub>H<sub>10</sub>O</b> (liq)	39MAZ2
<b>Wiswesser Line Notation</b> 1Y1&O1		3-Oxapentane; Diethyl ether	
<b>Evaluation</b> A		<b>Heat Capacity</b> 293.15 K, $C_p = 171.88 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
		Temperature range -112 to 20 °C.	
<b>C<sub>4</sub>H<sub>10</sub>O</b> (liq)	24KEY/BEA	<b>Molecular Weight</b> 74.1224	
3-Oxapentane; Diethyl ether		<b>Wiswesser Line Notation</b> 2O2	
<b>Heat Capacity</b> 286.6 K, $C_p = 179.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Evaluation</b> B	
Temperature range 274, 286 K.			
<b>Phase Changes</b>		<b>C<sub>4</sub>H<sub>10</sub>O</b> (liq)	39MAZ3
liq/g 285.0 K, $\Delta H = 27530 \text{ J} \cdot \text{mol}^{-1}$		3-Oxapentane; Diethyl ether	
	$\Delta S = 96.60 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 293 K, $C_p = 172.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
	P=101.325 kPa	Temperature range -110 to 20 °C.	
<b>Molecular Weight</b> 74.1224		<b>Molecular Weight</b> 74.1224	
<b>Wiswesser Line Notation</b> 2O2		<b>Wiswesser Line Notation</b> 2O2	
<b>Evaluation</b> B		<b>Evaluation</b> B	
<b>C<sub>4</sub>H<sub>10</sub>O</b> (liq)	26PAR/HUF	<b>C<sub>4</sub>H<sub>10</sub>O</b> (liq)	71COU/LEE
3-Oxapentane; Diethyl ether		3-Oxapentane; Diethyl ether	
<b>Heat Capacity</b> 290.0 K, $C_p = 170.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K, $C_p = 172.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 76 to 290 K. Value is unsmoothed experimental datum.		Temperature range 15 to 300 K.	
<b>Entropy</b> 298.1 K, $S = 283.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Entropy</b> 298.15 K, $S = 253.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Extrapolation below 90 K, 88.70 $\text{J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .		<b>Phase Changes</b>	
<b>Phase Changes</b>		c,II/liq 149.86 K, $\Delta H = 6820 \text{ J} \cdot \text{mol}^{-1}$	
c/liq 156.8 K, $\Delta H = 7301 \text{ J} \cdot \text{mol}^{-1}$		$\Delta S = 45.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
	$\Delta S = 46.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	c,I/liq 156.92 K, $\Delta H = 7190 \text{ J} \cdot \text{mol}^{-1}$	
<b>Molecular Weight</b> 74.1224			
<b>Wiswesser Line Notation</b> 2O2			
<b>Evaluation</b> B( $C_p$ ), C(S)		Metastable crystal.	
<b>C<sub>4</sub>H<sub>10</sub>O</b> (liq)	27BEN/WEN	<b>Molecular Weight</b> 74.1224	
3-Oxapentane; Diethyl ether		<b>Wiswesser Line Notation</b> 2O2	
<b>Heat Capacity</b> 308 K, $C_p = 179.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Evaluation</b> A	
Temperature range 308 to 488 K. Value is unsmoothed experimental datum. Pressure 40 atmospheres.			
<b>Molecular Weight</b> 74.1224		<b>C<sub>4</sub>H<sub>10</sub>O</b> (liq)	75AND/MAR
<b>Wiswesser Line Notation</b> 2O2		2-Oxapentane; Methyl n-propyl ether	
<b>Evaluation</b> B		<b>Heat Capacity</b> 298.15 K, $C_p = 165.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
		Temperature range 12 to 350 K.	
<b>C<sub>4</sub>H<sub>10</sub>O</b> (liq)	29PAR/KEL	<b>Entropy</b> 298.15 K, $S = 262.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
3-Oxapentane; Diethyl ether		<b>Phase Changes</b>	
<b>Entropy</b> 298.1 K, $S = 252.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		c/liq 133.97 K, $\Delta H = 7670 \text{ J} \cdot \text{mol}^{-1}$	
Extrapolation below 90 K, 58.6 $\text{J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .		$\Delta S = 57.25 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Revision of previous data.			
<b>Molecular Weight</b> 74.1224			
<b>Wiswesser Line Notation</b> 2O2			
<b>Evaluation</b> C			
<b>C<sub>4</sub>H<sub>10</sub>O</b> (liq)	35AOY/KAN	<b>C<sub>4</sub>H<sub>10</sub>O</b> (liq)	75FEN/HAR
3-Oxapentane; Diethyl ether		2-Oxapentane; Methyl n-propyl ether	
<b>Heat Capacity</b> 255.2 K, $C_p = 164.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K, $C_p = 165.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 80 to 255 K. Value is unsmoothed experimental datum.		One temperature.	
<b>Molecular Weight</b> 74.1224		<b>Molecular Weight</b> 74.1224	
<b>Wiswesser Line Notation</b> 2O2		<b>Wiswesser Line Notation</b> 3O1	
<b>Evaluation</b> B		<b>Evaluation</b> B	

$C_4H_9O$ (liq)	24WJL/DAN	$C_4H_9O$ (liq)	78RYB/EME
Isobutyl alcohol; 2-Methyl-1-propanol		Isobutyl alcohol; 2-Methyl-1-propanol	
Heat Capacity	303 K.	Heat Capacity	303.15 K.
	$C_p=187.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		$C_p=185.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 303 to 343 K. Equation valid.		Temperature range 393.15 to 353.15 K. $C_p$ given as $2504 \text{ J} \cdot \text{kg}^{-1} \cdot \text{K}^{-1}$ .	
Molecular Weight 74.1224		Molecular Weight 74.1224	
Wisswesser Line Notation Q(Y1)&I		Wisswesser Line Notation Q(Y1)&I	
Evaluation	C	Evaluation	C
$C_4H_9O$ (liq)	41ZHD	$C_4H_9O$ (liq)	88OKA/OGA
Isobutyl alcohol; 2-Methyl-1-propanol		Isobutyl alcohol; 2-Methyl-1-propanol	
Heat Capacity	298.1 K.	Heat Capacity	298.15 K.
Temperature range 5 to 46 °C.		One temperature.	
Molecular Weight 74.1224		Molecular Weight 74.1224	
Wisswesser Line Notation Q(Y1)&I		Wisswesser Line Notation Q(Y1)&I	
Evaluation	C	Evaluation	B
$C_4H_9O$ (liq)	58SWU/ZIE	$C_4H_9O$ (liq)	88PIE/SOM
Isobutyl alcohol; 2-Methyl-1-propanol		Isobutyl alcohol; 2-Methyl-1-propanol	
Heat Capacity	333 K.	Heat Capacity	298.15 K.
Mean value 21 to 59 °C.		$C_p=182.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Molecular Weight 74.1224		Molecular Weight 74.1224	
Wisswesser Line Notation Q(Y1)&I		Wisswesser Line Notation Q(Y1)&I	
Evaluation	C	Evaluation	D
$C_4H_9O$ (liq)	60SWU/ZIE	$C_4H_9O$ (liq)	188IRE
Isobutyl alcohol; 2-Methyl-1-propanol		Isobutyl alcohol; n-Butyl alcohol	
Heat Capacity	323 K.	Heat Capacity	298 K.
Mean value 21 to 78 °C.		Temperature range 290 to 390 K.	
Molecular Weight 74.1224		Molecular Weight 74.1224	
Wisswesser Line Notation Q(Y1)&I		Wisswesser Line Notation Q4	
Evaluation	C	Evaluation	D
$C_4H_9O$ (liq)	68COU/LEE	$C_4H_9O$ (liq)	24WJL/DAN
Isobutyl alcohol; 2-Methyl-1-propanol		I-Butanol; n-Butyl alcohol	
Heat Capacity	200.0 J/K	Heat Capacity	303 K.
Temperature range 10 to 220 K.		$C_p=180.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Entropy	298.15 K.	Temperature range 303 to 343 K. Equation valid.	
Phase Changes		$S=214.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
c(liq)	171.18 K.	$\Delta H=6322 \text{ J} \cdot \text{mol}^{-1}$	
		$\Delta S=36.93 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Molecular Weight 74.1224		Molecular Weight 74.1224	
Wisswesser Line Notation Q(Y1)&I		Wisswesser Line Notation Q4	
Evaluation	A	Evaluation	C
$C_4H_9O$ (g)g	68COU/LEE	$C_4H_9O$ (liq)	25PAF
Isobutyl alcohol; 2-Methyl-1-propanol		I-Butanol; n-Butyl alcohol	
Heat Capacity	180 K.	Heat Capacity	298.0 K.
Temperature range 10 to 180 K.		$C_p=175.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Entropy	180 K.	Temperature range 90 to 294 K. Value is unsmoothed experimental datum.	
Phase Changes		Entropy	298.1 K.
c(liq)	183.9 K.	$S=251.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
		Extrapolation below 90 K, 73.81 J · mol⁻¹ · K⁻¹.	
Molecular Weight 74.1224		Phase Changes	
Wisswesser Line Notation Q(Y1)&I		c(liq)	183.9 K.
Evaluation	A		$\Delta H=9280 \text{ J} \cdot \text{mol}^{-1}$
			$\Delta S=50.46 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
$C_4H_9O$ (liq)	70PAZ/PAZ	$C_4H_9O$ (liq)	29PAR/KEI
Isobutyl alcohol; 2-Methyl-1-propanol		I-Butanol; n-Butyl alcohol	
Heat Capacity	301.2 K.	Heat Capacity	298.1 K.
Temperature range 28, 40 °C.		$S=228.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Molecular Weight 74.1224		Extrapolation below 90 K, 46.02 J · mol⁻¹ · K⁻¹. Revision of previous data.	
Wisswesser Line Notation Q(Y1)&I		Molecular Weight 74.1224	
Evaluation	B	Wisswesser Line Notation Q4	
		Evaluation	C

$C_4H_{10}O$ (liq)	33TRE/WAT	$C_4H_{10}O$ (liq)	84ZEG/SOM
1-Butanol; n-Butyl alcohol		1-Butanol; n-Butyl alcohol	
<b>Heat Capacity</b> 298 K,	$C_p = 183.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p = 177.08 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
One temperature.			
<b>Molecular Weight</b> 74.1224			
Wiswesser Line Notation Q4			
Evaluation B		Evaluation B	
$C_4H_{10}O$ (liq)	39PHI	$C_4H_{10}O$ (liq)	86GAT/WOO
1-Butanol; n-Butyl alcohol		1-Butanol; n-Butyl alcohol	
<b>Heat Capacity</b> 302.6 K,	$C_p = 215.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p = 176.67 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
One temperature.		Temperature range 298.15 to 368.15 K.	
<b>Molecular Weight</b> 74.1224			
Wiswesser Line Notation Q4			
Evaluation C		Evaluation C	
Isomer not specified; normal assumed.			
$C_4H_{10}O$ (liq)	60SWI/ZIE	$C_4H_{10}O$ (liq)	86KOR/KUK
1-Butanol; n-Butyl alcohol		1-Butanol; n-Butyl alcohol	
<b>Heat Capacity</b> 323 K,	$C_p = 189.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298 K,	$C_p = 177.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Mean value 21 to 78 °C.		One temperature.	
<b>Molecular Weight</b> 74.1224			
Wiswesser Line Notation Q4			
Evaluation C		Evaluation B	
$C_4H_{10}O$ (liq)	65COU/HAL	$C_4H_{10}O$ (liq)	86NAZ/BAS
1-Butanol; n-Butyl alcohol		1-Butanol; n-Butyl alcohol	
<b>Heat Capacity</b> 298.15 K,	$C_p = 177.03 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 321.05 K,	$C_p = 192.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 11 to 323 K.		Temperature range 321.05, 349.20, 373.35 K. p=0.1 MPa. Unsmoothed experimental datum given as 2.5934 kJ/kg·K.	
<b>Entropy</b> 298.15 K,	$S = 225.73 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b> 74.1224	
<b>Phase Changes</b>		Wiswesser Line Notation Q4	
c/liq	184.5 K,	Evaluation B	
$\Delta H = 9372 \text{ J} \cdot \text{mol}^{-1}$			
$\Delta S = 50.79 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
<b>Molecular Weight</b> 74.1224			
Wiswesser Line Notation Q4			
Evaluation A			
$C_4H_{10}O$ (liq)	70PAZ/PAZ	$C_4H_{10}O$ (liq)	86OGA/MUR
1-Butanol; n-Butyl alcohol		1-Butanol; n-Butyl alcohol	
<b>Heat Capacity</b> 301.2 K,	$C_p = 179.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p = 177.18 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 28, 40 °C.		One temperature.	
<b>Molecular Weight</b> 74.1224			
Wiswesser Line Notation Q4			
Evaluation B		Evaluation B	
$C_4H_{10}O$ (liq)	79GRI/YAN	$C_4H_{10}O$ (liq)	86ROU/GRO
1-Butanol; n-Butyl alcohol		1-Butanol; n-Butyl alcohol	
<b>Heat Capacity</b> 303.5 K,	$C_p = 181.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p = 175.97 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 303 to 462 K. p=0.98 bar.		One temperature.	
<b>Molecular Weight</b> 74.1224			
Wiswesser Line Notation Q4			
Evaluation B		Evaluation B	
$C_4H_{10}O$ (liq)	81ARU/BAG	$C_4H_{10}O$ (liq)	86TAN/TOY
1-Butanol; n-Butyl alcohol		1-Butanol; n-Butyl alcohol	
<b>Heat Capacity</b> 293.15 K,	$C_p = 174.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p = 176.69 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 293 to 373 K. p=0.1 MPa. Unsmoothed experimental datum given as 2.351 kJ/kg·K. $C_p$ given from 293.15 to 533.15 for pressure range 10 to 60 MPa.		One temperature.	
<b>Molecular Weight</b> 74.1224			
Wiswesser Line Notation Q4			
Evaluation B		Evaluation A	
$C_4H_{10}O$ (liq)		$C_4H_{10}O$ (liq)	88AND/PAT
1-Butanol; n-Butyl alcohol		1-Butanol; n-Butyl alcohol	
<b>Heat Capacity</b> 293.15 K,	$C_p = 174.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p = 176.86 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 293 to 373 K. p=0.1 MPa. Unsmoothed experimental datum given as 2.351 kJ/kg·K. $C_p$ given from 293.15 to 533.15 for pressure range 10 to 60 MPa.		One temperature.	
<b>Molecular Weight</b> 74.1224			
Wiswesser Line Notation Q4			
Evaluation B		Evaluation B	

$C_4H_{10}O$ (liq)	26PAR/AND	$C_4H_{10}O$ (liq)	77VIS/PER
tert-Butyl alcohol; 2-Methyl-2-propanol		tert-Butyl alcohol; 2-Methyl-2-propanol	
<b>Heat Capacity</b> 300 K, $C_p = 224.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298 K, $C_p = 210 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 87 to 300 K. Value is unsmoothed experimental datum.		One temperature.	
<b>Entropy</b> 298.15 K, $S = 197.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Molecular Weight</b> 74.1224	
Extrapolation below 90 K, 53.35 $\text{J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .		<b>Wiswesser Line Notation</b> QX1&1&1	
<b>Phase Changes</b>		<b>Evaluation</b> B	
c/liq 298.5 K, $\Delta H = 6782 \text{ J} \cdot \text{mol}^{-1}$			
	$\Delta S = 22.72 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
<b>Molecular Weight</b> 74.1224		$C_4H_{10}O$ (liq)	88CAC/COS
<b>Wiswesser Line Notation</b> QX1&1&1		tert-Butyl alcohol; 2-Methyl-2-propanol	
<b>Evaluation</b> B( $C_p$ ), C(S)		<b>Heat Capacity</b> 298.15 K, $C_p = 215.37 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
		One temperature.	
		<b>Molecular Weight</b> 74.1224	
		<b>Wiswesser Line Notation</b> QX1&1&1	
		<b>Evaluation</b> B	
$C_4H_{10}O$ (liq)	29PAR/KEL	$C_4H_{10}O$ (liq)	88OKA/OGA
tert-Butyl alcohol; 2-Methyl-2-propanol		tert-Butyl alcohol; 2-Methyl-2-propanol	
<b>Entropy</b> 298.1 K, $S = 189.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 299.15 K, $C_p = 221.88 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Extrapolation below 90 K, 45.19 $\text{J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ . Revision of previous data.		One temperature.	
<b>Molecular Weight</b> 74.1224		<b>Molecular Weight</b> 74.1224	
<b>Wiswesser Line Notation</b> QX1&1&1		<b>Wiswesser Line Notation</b> QX1&1&1	
<b>Evaluation</b> C		<b>Evaluation</b> B	
$C_4H_{10}O$ (c.I)	63OET	$C_4H_{10}O$ (liq)	36PAR/THO
tert-Butyl alcohol; 2-Methyl-2-propanol		2-Butanol; sec-Butyl alcohol	
<b>Heat Capacity</b> 298.15 K, $C_p = 146.11 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 281.7 K, $C_p = 184.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 15 to 330 K.		Temperature range 103 to 282 K. Glass at lower temperature.	
<b>Entropy</b> 298.15 K, $S = 170.87 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		Unsmoothed experimental datum.	
<b>Phase Changes</b>		<b>Molecular Weight</b> 74.1224	
c,II/c,I 286.14 K, $\Delta H = 828 \text{ J} \cdot \text{mol}^{-1}$		<b>Wiswesser Line Notation</b> QY2&1	
	$\Delta S = 2.89 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Evaluation</b> B	
c,III/c,I 294.47 K, $\Delta H = 490 \text{ J} \cdot \text{mol}^{-1}$			
	$\Delta S = 1.66 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
Metastable transition, not always reproducible, c,III,metastable form.			
c,I/liq 298.97 K, $\Delta H = 6702.8 \text{ J} \cdot \text{mol}^{-1}$			
	$\Delta S = 22.42 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
<b>Molecular Weight</b> 74.1224		$C_4H_{10}O$ (liq)	76CON/GIN
<b>Wiswesser Line Notation</b> QX1&1&1		2-Butanol; sec-Butyl alcohol	
<b>Evaluation</b> A		<b>Heat Capacity</b> 298 K, $C_p = 199.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
		One temperature.	
		<b>Molecular Weight</b> 74.1224	
		<b>Wiswesser Line Notation</b> QY2&1	
		<b>Evaluation</b> B	
$C_4H_{10}O$ (liq)	76SKO/SUU	$C_4H_{10}O$ (liq)	71AND/CON
tert-Butyl alcohol; 2-Methyl-2-propanol		2-Butanol; sec-Butyl alcohol	
<b>Heat Capacity</b> 298.15 K, $C_p = 218.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K, $C_p = 197.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
One temperature.		Temperature range 11 to 350 K.	
<b>Molecular Weight</b> 74.1224		<b>Entropy</b> 298.15 K, $S = 213.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Wiswesser Line Notation</b> QX1&1&1		<b>Phase Changes</b>	
<b>Evaluation</b> A		c/liq 177.38 K, $\Delta H = 6000 \text{ J} \cdot \text{mol}^{-1}$	
		$\Delta S = 33.83 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
		<b>Molecular Weight</b> 74.1224	
		<b>Wiswesser Line Notation</b> QY2&1	
		<b>Evaluation</b> A	
		Optically active form.	
$C_4H_{10}O$ (liq)	77DEV/PER	$C_4H_{10}O$ (liq)	71AND/CON
tert-Butyl alcohol; 2-Methyl-2-propanol		2-Butanol; sec-Butyl alcohol	
<b>Heat Capacity</b> 298.15 K, $C_p = 210 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K, $C_p = 196.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 298.15, 313.15, 328.15 K.		Temperature range 11 to 350 K.	
<b>Molecular Weight</b> 74.1224		<b>Entropy</b> 298.15 K, $S = 214.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Wiswesser Line Notation</b> QX1&1&1		<b>Phase Changes</b>	
<b>Evaluation</b> B		c/liq 184.70 K, $\Delta H = 5970 \text{ J} \cdot \text{mol}^{-1}$	
		$\Delta S = 32.32 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
		<b>Molecular Weight</b> 74.1224	
		<b>Wiswesser Line Notation</b> QY2&1	
		<b>Evaluation</b> A	
		Optically inactive form.	
$C_4H_{10}O$ (liq)	77MUR/SUB		
tert-Butyl alcohol; 2-Methyl-2-propanol			
<b>Heat Capacity</b> 298.15 K, $C_p = 224.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
One temperature.			
<b>Molecular Weight</b> 74.1224			
<b>Wiswesser Line Notation</b> QX1&1&1			
<b>Evaluation</b> B			

<b>C<sub>4</sub>H<sub>10</sub>O</b> (liq)		88OKA/OGA	<b>(C<sub>4</sub>H<sub>10</sub>OSi)<sub>n</sub></b> (amorph)	89VAR/WES
2-Butanol; sec-Butyl alcohol			Poly(diethylsiloxane)	
<b>Heat Capacity</b> 298.15 K,	$C_p = 198.03 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K, $C_p = 164.994 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
One temperature.			Temperature range 0.10 to 550 K. $C_p(\text{liq}) = 0.2365T + 93.75 \text{ J/(K mol)}$	
<b>Molecular Weight</b> 74.1224			(290 to 360 K).	
<b>Wiswesser Line Notation</b> QY2&1			<b>Entropy</b> 298.15 K, $S = 213.697 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Evaluation</b> B			<b>Phase Changes</b>	
			c,III/c,II 206.7 K, $\Delta H = 2720 \text{ J} \cdot \text{mol}^{-1}$	
			100% crystallinity/condis crystal.	
<b>C<sub>4</sub>H<sub>10</sub>O</b> (liq)		88PIE/SOM	c,II/c,I 282.7 K, $\Delta H = 1840 \text{ J} \cdot \text{mol}^{-1}$	
2-Butanol; sec-Butyl alcohol			Condis crystal/viscous crystal.	
<b>Heat Capacity</b> 298.15 K,	$C_p = 196.67 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		c,I/liq 308.5 K, $\Delta H = 231 \text{ J} \cdot \text{mol}^{-1}$	
One temperature.			<b>Molecular Weight</b> 102.2079	
<b>Molecular Weight</b> 74.1224			<b>Wiswesser Line Notation</b> /*-SI-2&2&O*/	
<b>Wiswesser Line Notation</b> QY2&1			<b>Evaluation</b> A	
<b>Evaluation</b> B			T(glass)=135 K.	
<b>C<sub>4</sub>H<sub>10</sub>O</b> (liq)		92STE/CHI	<b>(C<sub>4</sub>H<sub>10</sub>OSi)<sub>n</sub></b> (c)	89VAR/WES
2-Butanol; sec-Butyl alcohol			Poly(diethylsiloxane)	
<b>Heat Capacity</b> 298.15 K,	$C_p = 197.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K, $C_p = 164.994 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
One temperature.			Temperature range 0.10 to 308.50 K.	
<b>Molecular Weight</b> 74.1224			<b>Entropy</b> 298.15 K, $S = 212.720 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Wiswesser Line Notation</b> QY2&1			<b>Phase Changes</b>	
<b>Evaluation</b> A			c,III/c,II 206.7 K, $\Delta H = 2720 \text{ J} \cdot \text{mol}^{-1}$	
			100% crystallinity/condis crystal.	
<b>(C<sub>4</sub>H<sub>10</sub>OSi)<sub>n</sub></b> (liq)		82KUL/LEB	c,II/c,I 282.7 K, $\Delta H = 1840 \text{ J} \cdot \text{mol}^{-1}$	
Poly(diethylsiloxane)			Condis crystal/viscous crystal.	
<b>Heat Capacity</b> 298.15 K,	$C_p = 165.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		c,I/liq 308.5 K, $\Delta H = 231 \text{ J} \cdot \text{mol}^{-1}$	
Temperature range 14 to 330 K.			<b>Molecular Weight</b> 102.2079	
<b>Entropy</b> 298.15 K,	$S = 215.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Wiswesser Line Notation</b> /*-SI-2&2&O*/	
<b>Phase Changes</b>			<b>Evaluation</b> A	
c,II/c,I 203 K,	$\Delta H = 2070 \text{ J} \cdot \text{mol}^{-1}$		T(glass)=135 K.	
Degree of crystallinity=72%.	$\Delta S = 10.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
c/Iiq 295 K,	$\Delta H = 2876 \text{ J} \cdot \text{mol}^{-1}$			
Degree of crystallinity=100%.	$\Delta S = 9.75 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
<b>Molecular Weight</b> 102.2079				
<b>Wiswesser Line Notation</b> /*-SI-2&2&O*/				
<b>Evaluation</b> A				
<b>(C<sub>4</sub>H<sub>10</sub>OSi)<sub>n</sub></b> (liq)		84LEB/KUL	<b>C<sub>4</sub>H<sub>10</sub>O<sub>2</sub></b> (liq)	/3KUS/SUU
Poly(diethylsiloxane)			2,5-Dioxahexane; 1,2-Dimethoxyethane	
<b>Heat Capacity</b> 298.15 K,	$C_p = 165.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K, $C_p = 193.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 13 to 300 K.			One temperature.	
<b>Entropy</b> 298.15 K,	$S = 215.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Molecular Weight</b> 90.1218	
<b>Phase Changes</b>			<b>Wiswesser Line Notation</b> 1O2O1	
c,II/c,I 203 K,	$\Delta H = 2070 \text{ J} \cdot \text{mol}^{-1}$		<b>Evaluation</b> B	
Degree of crystallinity=72%.	$\Delta S = 10.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
c,I/liq 295 K,	$\Delta H = 2876 \text{ J} \cdot \text{mol}^{-1}$			
Degree of crystallinity=100%.	$\Delta S = 9.75 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
<b>Molecular Weight</b> 102.2079				
<b>Wiswesser Line Notation</b> /*-SI-2&2&O*/				
<b>Evaluation</b> A				
T(glass)=130 K.				
<b>(C<sub>4</sub>H<sub>10</sub>OSi)<sub>n</sub></b> (liq)		88WIE/WUN	<b>C<sub>4</sub>H<sub>10</sub>O<sub>2</sub></b> (liq)	73KUS/SUU
Poly(diethylsiloxane)			3-Oxa-1-pentanol; 2-Ethoxyethanol	
<b>Phase Changes</b>			<b>Heat Capacity</b> 298.15 K, $C_p = 210.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
c,II/c,I 206 K,	$\Delta H = 1700 \text{ J} \cdot \text{mol}^{-1}$		One temperature.	
	$\Delta S = 8.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Molecular Weight</b> 90.1218	
c,I/liq 276 K,	$\Delta H = 1700 \text{ J} \cdot \text{mol}^{-1}$		<b>Wiswesser Line Notation</b> Q2O2	
	$\Delta S = 6.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Evaluation</b> B	
<b>Molecular Weight</b> 102.2079				
<b>Wiswesser Line Notation</b> /*-SI-2&2&O*/				
<b>Evaluation</b> A				
T(glass)=135 K.				
<b>C<sub>4</sub>H<sub>10</sub>O<sub>2</sub></b> (liq)			<b>C<sub>4</sub>H<sub>10</sub>O<sub>2</sub></b> (liq)	78ROU/PER
Poly(diethylsiloxane)			3-Oxa-1-pentanol; 2-Ethoxyethanol	
<b>Phase Changes</b>			<b>Heat Capacity</b> 298.15 K, $C_p = 210.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
c,II/c,I 206 K,	$\Delta H = 1700 \text{ J} \cdot \text{mol}^{-1}$		Temperature range 283.15, 298.15, 313.15 K. Data at three temperatures.	
	$\Delta S = 8.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Molecular Weight</b> 90.1218	
c,I/liq 276 K,	$\Delta H = 1700 \text{ J} \cdot \text{mol}^{-1}$		<b>Wiswesser Line Notation</b> Q2O2	
	$\Delta S = 6.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Evaluation</b> C	
<b>Molecular Weight</b> 102.2079				
<b>Wiswesser Line Notation</b> /*-SI-2&2&O*/				
<b>Evaluation</b> A				
T(glass)=135 K.				

$C_4H_{10}O_2$ (liq)		91SVO/ZAB	$C_4H_{10}O_2Se$ (liq)		83GEI/GUS
3-Oxa-1-pentanol; 2-Ethoxyethanol			$\beta$ -Selenodiglycol		
<b>Heat Capacity</b> 298.15 K,	$C_p=209.82 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K,	$C_p=349.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 298 to 330 K. $C_p(\text{liq})=84.928+0.4189(\text{T/K}) \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ . $C_p$ value calculated from equation.			Temperature range 12 to 300 K.		
<b>Molecular Weight</b> 90.1218			<b>Entropy</b> 298.15 K,	$S=358.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Wiswesser Line Notation</b> Q2O2			<b>Phase Changes</b>		
<b>Evaluation</b> B			c/liq 154.0 K,	$\Delta H=110 \text{ J} \cdot \text{mol}^{-1}$	
				$\Delta S=0.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
				Glassy (solid) to liquid.	
$C_4H_{10}O_2$ (liq)		72KAW/OTA	<b>Molecular Weight</b> 169.0818		
1,3-Butanediol; 1,3-Dihydroxybutane			<b>Wiswesser Line Notation</b> Q2-SE-2Q		
<b>Heat Capacity</b> 303 K,	$C_p=227.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Evaluation</b> A		
One temperature.					
<b>Molecular Weight</b> 90.1218					
<b>Wiswesser Line Notation</b> QY1&2Q					
<b>Evaluation</b> B					
$C_4H_{10}O_2$ (liq)		74PET/TER	$C_4H_{10}O_3$ (liq)		79STE/TAN
1,4-Butanediol; 1,4-Dihydroxybutane			Diethylene glycol; 1,5-Dihydroxy-3-oxapentane		
<b>Heat Capacity</b> 297.79 K,	$C_p=178 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298 K,	$C_p=287.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 297 to 470 K. Value is unsmoothed experimental datum.			Temperature range 273 to 513 K.		
<b>Molecular Weight</b> 90.1218			<b>Molecular Weight</b> 106.1212		
<b>Wiswesser Line Notation</b> Q4Q			<b>Wiswesser Line Notation</b> Q2O2Q		
<b>Evaluation</b> B			<b>Evaluation</b> B		
$C_4H_{10}O_2$ (liq)		79NIS/BAB	$C_4H_{10}O_3$ (liq)		82ZAF
1,4-Butanediol; 1,4-Dihydroxybutane			Diethylene glycol; 1,5-Dihydroxy-3-oxapentane		
<b>Heat Capacity</b> 298.15 K,	$C_p=200.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298 K,	$C_p=243.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 5 to 320 K.			Temperature range 298, 323, 363 K.		
<b>Entropy</b> 298.15 K,	$S=223.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Molecular Weight</b> 106.1212		
<b>Phase Changes</b>			<b>Wiswesser Line Notation</b> Q2O2Q		
c/liq 293.58 K,	$\Delta H=18700 \text{ J} \cdot \text{mol}^{-1}$		<b>Evaluation</b> B		
	$\Delta S=63.72 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$				
<b>Molecular Weight</b> 90.1218					
<b>Wiswesser Line Notation</b> Q4Q					
<b>Evaluation</b> A					
$C_4H_{10}O_2$ (liq)		84VAS/PET	$C_4H_{10}O_4$ (c)		26PAR/ANI
1,4-Butanediol; 1,4-Dihydroxybutane			1,2,3,4-Tetrahydroxybutane; 1,2,3,4-Butanetetrol; Erythritol		
<b>Heat Capacity</b> 298.15 K,	$C_p=200.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 291.7 K,	$C_p=161.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 5 to 450 K.			Temperature range 87 to 292 K. Value is unsmoothed experimental datum.		
<b>Entropy</b> 298.15 K,	$S=223.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Entropy</b> 298.1 K,	$S=177.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Phase Changes</b>			Extrapolation below 90 K, 55.48 $\text{J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .		
c/liq 293.58 K,	$\Delta H=18700 \text{ J} \cdot \text{mol}^{-1}$		<b>Molecular Weight</b> 122.1206		
	$\Delta S=63.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Wiswesser Line Notation</b> Q1YQYQ1Q		
<b>Molecular Weight</b> 90.1218			<b>Evaluation</b> B( $C_p$ ), C(S)		
<b>Wiswesser Line Notation</b> Q4Q					
<b>Evaluation</b> A					
$C_4H_{10}O_2$ (liq)		36KHO/KAL	$C_4H_{10}O_4$ (c)		29PAR/KE
2,3-Butanediol; 2,3-Dihydroxybutane			1,2,3,4-Tetrahydroxybutane; 1,2,3,4-Butanetetrol; Erythritol		
<b>Heat Capacity</b> 298.2 K,	$C_p=213.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Entropy</b> 298.1 K,	$S=166.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 26 to 140 °C.			Extrapolation below 90 K, 44.35 $\text{J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ . Revision of previous data.		
<b>Molecular Weight</b> 90.1218			<b>Molecular Weight</b> 122.1206		
<b>Wiswesser Line Notation</b> QY1&YQ1			<b>Wiswesser Line Notation</b> Q1YQYQ1Q		
<b>Evaluation</b> C			<b>Evaluation</b> C		
Extracted from Chem. Abst. 30,4080 (1936).					
$C_4H_{10}O_4$ (c)		62SPA/THC	$C_4H_{10}O_4$ (c)		
1,2,3,4-Tetrahydroxybutane; 1,2,3,4-Butanetetrol; Erythritol			1,2,3,4-Tetrahydroxybutane; 1,2,3,4-Butanetetrol; Erythritol		
<b>Heat Capacity</b> 303 K,	$C_p=170.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 303 K,	$C_p=170.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 30 to 150 °C.			Temperature range 30 to 150 °C.		
<b>Phase Changes</b>			<b>Phase Changes</b>		
c/liq 381.6 K,	$\Delta H=42359 \text{ J} \cdot \text{mol}^{-1}$		c/liq 381.6 K,	$\Delta H=42359 \text{ J} \cdot \text{mol}^{-1}$	
	$\Delta S=111.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$				
<b>Molecular Weight</b> 122.1206					
<b>Wiswesser Line Notation</b> Q1YQYQ1Q					
<b>Evaluation</b> B					

<b>C<sub>4</sub>H<sub>10</sub>O<sub>4</sub></b> (c)	90BAR/DEL	<b>C<sub>4</sub>H<sub>10</sub>S</b> (liq)	57SCO/FIN
1,2,3,4-Tetrahydroxybutane; 1,2,3,4-Butanetetrol; Erythritol		1-Butanethiol; n-Butyl mercaptan	
<b>Phase Changes</b>		<b>Heat Capacity</b> 298.15 K,	$C_p = 172.30 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c/liq 390.9 K,	$\Delta H = 39400 \text{ J} \cdot \text{mol}^{-1}$	Temperature range 12 to 314 K.	
	$\Delta S = 100.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Entropy</b> 298.15 K,	$S = 275.98 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b> 122.1206		<b>Phase Changes</b>	
Wiswesser Line Notation Q1YQYQ1Q		c/liq 157.47 K,	$\Delta H = 10460 \text{ J} \cdot \text{mol}^{-1}$
<b>Evaluation</b> A			$\Delta S = 66.43 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>C<sub>4</sub>H<sub>10</sub>O<sub>6</sub>S<sub>3</sub></b> (c)	56DAV/STA	<b>Molecular Weight</b> 90.1830	
Trimethylsulfonylmethane		Wiswesser Line Notation SH4	
<b>Heat Capacity</b> 298.15 K,	$C_p = 269.62 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Evaluation</b> A	
Temperature range 22 to 293 K.		<b>C<sub>4</sub>H<sub>10</sub>S</b> (liq)	82TUT/GAB
<b>Entropy</b> 298.15 K,	$S = 304.60 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	1-Butanethiol; n-Butyl mercaptan	
<b>Molecular Weight</b> 250.2994		<b>Heat Capacity</b> 300 K,	$C_p = 171.39 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Wiswesser Line Notation ISWYSW1&SW1		Temperature range 273 to 373 K.	$C_p = 155.76 + 2.780 \times 10^{-2} T + 8.100 \times 10^{-5} T^2$
<b>Evaluation</b> A		<b>Molecular Weight</b> 90.1830	
<b>C<sub>4</sub>H<sub>10</sub>S</b> (liq)	55MCC/FIN	Wiswesser Line Notation SH4	
3-Methyl-2-thiabutane; Isopropyl methyl sulfide		<b>Evaluation</b> B	
<b>Heat Capacity</b> 298.15 K,	$C_p = 172.38 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>C<sub>4</sub>H<sub>10</sub>S</b> (liq)	53MCC/SCO
Temperature range 12 to 344 K.		2-Methyl-2-propanethiol; tert-Butyl mercaptan	
<b>Entropy</b> 298.15 K,	$S = 263.09 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p = 175.06 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Phase Changes</b>		Temperature range 12 to 329 K.	
c/liq 171.65 K,	$\Delta H = 9355 \text{ J} \cdot \text{mol}^{-1}$	<b>Entropy</b> 298.15 K,	$S = 246.44 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
	$\Delta S = 54.50 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Phase Changes</b>	
<b>Molecular Weight</b> 90.1830		c,IV/c,III 151.6 K,	$\Delta H = 4066.8 \text{ J} \cdot \text{mol}^{-1}$
Wiswesser Line Notation 1Y1&S1			$\Delta S = 26.83 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Evaluation</b> A		c,III/c,II 157.0 K,	$\Delta H = 648.1 \text{ J} \cdot \text{mol}^{-1}$
<b>C<sub>4</sub>H<sub>10</sub>S</b> (liq)	52SCO/FIN2		$\Delta S = 4.13 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
3-Thiapentane; Diethyl sulfide		c,II/c,I 199.4 K,	$\Delta H = 970.7 \text{ J} \cdot \text{mol}^{-1}$
<b>Heat Capacity</b> 298.15 K,	$C_p = 171.42 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		$\Delta S = 4.87 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 16 to 316 K.		c,I/liq 274.42 K,	$\Delta H = 2481.9 \text{ J} \cdot \text{mol}^{-1}$
<b>Entropy</b> 298.15 K,	$S = 269.28 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		$\Delta S = 9.04 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Phase Changes</b>		<b>Molecular Weight</b> 90.1830	
c/liq 169.21 K,	$\Delta H = 11903 \text{ J} \cdot \text{mol}^{-1}$	Wiswesser Line Notation SHX1&1&I	
	$\Delta S = 70.35 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Evaluation</b> A	
<b>Molecular Weight</b> 90.1830		<b>C<sub>4</sub>H<sub>10</sub>S</b> (liq)	58MCC/FIN
Wiswesser Line Notation 2S2		2-Butanethiol; sec-Butyl mercaptan	
<b>Evaluation</b> A		<b>Heat Capacity</b> 298.15 K,	$C_p = 171.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>C<sub>4</sub>H<sub>10</sub>S</b> (liq)	57SCO/FIN	Temperature range 12 to 309 K.	
2-Thiapentane; Methyl n-propyl sulfide		<b>Entropy</b> 298.15 K,	$S = 271.42 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Heat Capacity</b> 298.15 K,	$C_p = 171.63 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Phase Changes</b>	
Temperature range 12 to 326 K.		c/liq 133.02 K,	$\Delta H = 6477 \text{ J} \cdot \text{mol}^{-1}$
<b>Entropy</b> 298.15 K,	$S = 272.55 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		$\Delta S = 48.69 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Phase Changes</b>		<b>Molecular Weight</b> 90.1830	
c/liq 160.17 K,	$\Delta H = 9912 \text{ J} \cdot \text{mol}^{-1}$	Wiswesser Line Notation SHY2&I	
	$\Delta S = 61.88 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Evaluation</b> A	
<b>Molecular Weight</b> 90.1830		<b>C<sub>4</sub>H<sub>10</sub>S<sub>2</sub></b> (liq)	52SCO/FIN
Wiswesser Line Notation 3S1		Diethyl disulfide; 3,4-Dithiahexane	
<b>Evaluation</b> A		<b>Heat Capacity</b> 298.15 K,	$C_p = 204.01 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>C<sub>4</sub>H<sub>10</sub>S</b> (liq)	58SCO/MCC	Temperature range 13 to 300 K.	
2-Methyl-1-propanethiol; Isobutyl mercaptan		<b>Entropy</b> 298.15 K,	$S = 305.01 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Heat Capacity</b> 298.15 K,	$C_p = 171.88 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Phase Changes</b>	
Temperature range 10 to 350 K.		c/liq 171.64 K,	$\Delta H = 9404.4 \text{ J} \cdot \text{mol}^{-1}$
<b>Entropy</b> 298.15 K,	$S = 266.35 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		$\Delta S = 54.79 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Phase Changes</b>		<b>Molecular Weight</b> 122.2430	
c/liq 128.31 K,	$\Delta H = 4982.3 \text{ J} \cdot \text{mol}^{-1}$	Wiswesser Line Notation 2SS2	
	$\Delta S = 388.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Evaluation</b> A	
<b>Molecular Weight</b> 90.1830			
Wiswesser Line Notation SH1Y1&I			
<b>Evaluation</b> A			

$C_4H_{10}Zn$ (liq)		$C_4H_{11}N$ (liq)		67SMI/GOO2	
Diethyl zinc		2-Methyl-2-aminopropane; tert-Butylamine			
<b>Heat Capacity</b>	298.15 K, Temperature range 18 to 273 K.	$C_p = 188.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K, $C_p = 192.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Entropy</b>	298.15 K,	$S = 276.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>One temperature.</b>		
<b>Phase Changes</b>			<b>Molecular Weight</b>	73.1376	
c/liq	239.80 K,	$\Delta H = 18050 \text{ J} \cdot \text{mol}^{-1}$	<b>Wiswesser Line Notation</b>	ZX1&1&1	
		$\Delta S = 75.30 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Evaluation</b>	B	
<b>Molecular Weight</b>	123.5030				
<b>Wiswesser Line Notation</b>	2-ZN-2				
<b>Evaluation</b>	A				
$C_4H_{10}Zn$ (liq)		$C_4H_{11}N$ (liq)		71KON/WAD	
Diethyl zinc		2-Methyl-2-aminopropane; tert-Butylamine			
<b>Heat Capacity</b>	298.15 K, Temperature range 5 to 300 K.	$C_p = 194.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K, $C_p = 190 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Entropy</b>	298.15 K,	$S = 290.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>One temperature.</b>		
<b>Phase Changes</b>			<b>Molecular Weight</b>	73.1376	
c,II/c,I	148.4 K,	$\Delta H = 275.4 \text{ J} \cdot \text{mol}^{-1}$	<b>Wiswesser Line Notation</b>	ZX1&1&1	
		$\Delta S = 2.12 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Evaluation</b>	B	
c,I/liq	236.98 K,	$\Delta H = 16634 \text{ J} \cdot \text{mol}^{-1}$			
		$\Delta S = 70.19 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
<b>Molecular Weight</b>	123.5030				
<b>Wiswesser Line Notation</b>	2-ZN-2				
<b>Evaluation</b>	A				
$C_4H_{11}N$ (liq)		$C_4H_{11}N$ (liq)		72FIN/MES	
Diethylamine		2-Methyl-2-aminopropane; tert-Butylamine			
<b>Heat Capacity</b>	290 K, One temperature.	$C_p = 106.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K, $C_p = 191.71 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Molecular Weight</b>	73.1376		<b>Temperature range</b>	12 to 350 K.	
<b>Wiswesser Line Notation</b>	2M2		<b>Entropy</b>	298.15 K, $S = 233.63 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Evaluation</b>	D		<b>Phase Changes</b>		
			c,III/c,II	91.30 K, $\Delta H = 113.51 \text{ J} \cdot \text{mol}^{-1}$	
				$\Delta S = 1.24 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
			c,II/c,I	202.27 K, $\Delta H = 6052.6 \text{ J} \cdot \text{mol}^{-1}$	
				$\Delta S = 29.91 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
			c,I/liq	206.19 K, $\Delta H = 882.0 \text{ J} \cdot \text{mol}^{-1}$	
				$\Delta S = 4.28 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Molecular Weight</b>	73.1376				
<b>Wiswesser Line Notation</b>	ZX1&1&1				
<b>Evaluation</b>	A				
$C_4H_{11}N$ (liq)		$C_4H_{11}NO$ (liq)		90STE/CHI	
Diethylamine		N,N-Diethylhydroxylamine			
<b>Heat Capacity</b>	298.15 K, One temperature.	$C_p = 178.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K, $C_p = 370.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Molecular Weight</b>	73.1376		<b>One temperature.</b>		
<b>Wiswesser Line Notation</b>	2M2		<b>Molecular Weight</b>	89.1370	
<b>Evaluation</b>	B		<b>Wiswesser Line Notation</b>	QN2&2	
			<b>Evaluation</b>	B	
$C_4H_{11}N$ (liq)		$C_4H_{11}NO$ (liq)		84GEI/KAR	
Diethylamine		3-Methoxypropylamine			
<b>Heat Capacity</b>	298.15 K, Temperature range 283.15, 298.15, 313.15 K.	$C_p = 178.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K, $C_p = 225.52 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Molecular Weight</b>	73.1376		<b>Temperature range</b>	55 to 300 K.	
<b>Wiswesser Line Notation</b>	2M2		<b>Entropy</b>	298.15 K, $S = 257.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Evaluation</b>	B		<b>Phase Changes</b>		
			c/liq	135 K	
				Glass/liquid transition.	
				<b>Molecular Weight</b>	89.1370
				<b>Wiswesser Line Notation</b>	Z3O1
			<b>Evaluation</b>	B	
$C_4H_{11}N$ (liq)		$C_4H_{11}NO$ (liq)		80ROU/ROB	
2-Methyl-1-aminopropane; Isobutylamine		2-Amino-2-methylpropanol			
<b>Heat Capacity</b>	298.15 K, One temperature.	$C_p = 194 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K, $C_p = 229.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Molecular Weight</b>	73.1376		<b>One temperature.</b>		
<b>Wiswesser Line Notation</b>	Z1Y1&1		<b>Molecular Weight</b>	89.1370	
<b>Evaluation</b>	B		<b>Wiswesser Line Notation</b>	ZX1&1&1Q	
			<b>Evaluation</b>	B	
$C_4H_{11}N$ (liq)		$C_4H_{11}N$ (liq)			
1-Aminobutane; n-Butylamine		2-Methyl-2-aminopropane; tert-Butylamine			
<b>Heat Capacity</b>	298.15 K, One temperature.	$C_p = 188 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K, $C_p = 192.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Molecular Weight</b>	73.1376		<b>One temperature.</b>		
<b>Wiswesser Line Notation</b>	Z4		<b>Molecular Weight</b>	89.1370	
<b>Evaluation</b>	B		<b>Wiswesser Line Notation</b>	ZX1&1&1Q	
			<b>Evaluation</b>	B	

$C_4H_{11}NO_2$ (c)		82MIN/SAB	$C_4H_{11}NO_3$ (c)		90YIN/LIN
Diethanolamine			2-Amino-2-hydroxymethyl-1,3-propanediol		
<b>Heat Capacity</b>	298.15 K, $C_p = 137 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b>	298.15 K, $C_p = 171.27 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
One temperature. $C_p$ given as $1.3 \text{ J}\cdot\text{K}^{-1}\cdot\text{g}^{-1}$ , an estimated value.			Temperature range 290 to 450 K.		
<b>Molecular Weight</b>	105.1364				
<b>Wiswesser Line Notation</b>	Q2M2Q				
<b>Evaluation</b>	C				
$C_4H_{11}NO_2$ (c)		70MUR/BRE			
2-Amino-2-methyl-1,3-propanediol					
<b>Phase Changes</b>					
c,II/c,I	352 K, $\Delta H = 25203 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 72.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$				
c,I/liq	384 K, $\Delta H = 2991 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 7.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$				
<b>Molecular Weight</b>	105.1364				
<b>Wiswesser Line Notation</b>	ZX1&1&1Q1Q				
<b>Evaluation</b>	A				
$C_4H_{11}NO_2$ (c)		90ZHA/YAN			
2-Amino-2-methyl-1,3-propanediol					
<b>Heat Capacity</b>	301.40 K, $C_p = 161.37 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$				
Temperature range 280 to 370 K. Unsmoothed experimental datum.					
<b>Phase Changes</b>					
c,III/c,II	352.89 K, $\Delta H = 5000 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 14.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$				
c,II/c,I	353.72 K, $\Delta H = 18460 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 52.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$				
c,I/liq	384.08 K, $\Delta H = 2780 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 7.23 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$				
<b>Molecular Weight</b>	105.1364				
<b>Wiswesser Line Notation</b>	ZX1&1&1Q1Q				
<b>Evaluation</b>	B				
$C_4H_{11}NO_2$ (c)		91BAR/FON			
2-Amino-2-methyl-1,3-propanediol					
<b>Heat Capacity</b>					
Temperature range 273 to 423 K. Data given graphically.					
<b>Phase Changes</b>					
c,II/c,I	351.25 K, $\Delta H = 24680 \text{ J}\cdot\text{mol}^{-1}$				
c,I/liq	383.55 K, $\Delta H = 2731 \text{ J}\cdot\text{mol}^{-1}$				
<b>Molecular Weight</b>	105.1364				
<b>Wiswesser Line Notation</b>	ZX1&1&1Q1Q				
<b>Evaluation</b>	B				
$C_4H_{11}NO_3$ (c)		72ARV/WES			
Tris(hydroxymethyl)aminomethane; TRIS; THAM					
<b>Heat Capacity</b>	298.15 K, $C_p = 167.19 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$				
Temperature range 5 to 300 K.					
<b>Entropy</b>	298.15 K, $S = 175.44 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$				
<b>Molecular Weight</b>	121.1358				
<b>Wiswesser Line Notation</b>	Q1XZ1Q1Q				
<b>Evaluation</b>	A				
$C_4H_{11}NO_3$ (c)		70MUR/BRE			
2-Amino-2-hydroxymethyl-1,3-propanediol					
<b>Phase Changes</b>					
c,II/c,I	405 K, $\Delta H = 34262 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 84.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$				
c,I/liq	439 K, $\Delta H = 3041 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 7.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$				
<b>Molecular Weight</b>	121.1358				
<b>Wiswesser Line Notation</b>	ZX1Q1Q1Q				
<b>Evaluation</b>	A				
$C_4H_{12}CdCl_3N$ (c)					87BRA/CHA
Tetramethylammonium trichlorocadmite					
<b>Phase Changes</b>					
c,IV/c,II	111.3 K, $\Delta H \approx 143.5 \text{ J}\cdot\text{mol}^{-1}$				
c,III/c,II	122.7 K, $\Delta H \approx 714.7 \text{ J}\cdot\text{mol}^{-1}$				
c,II/c,I	400 K				
<b>Molecular Weight</b>	292.9145				
<b>Wiswesser Line Notation</b>	1K1&1&1 .CD G3				
<b>Evaluation</b>	A				
$C_4H_{12}CdSe$ (liq)					92LEB/KUL
Dimethylcadmium-dimethylselenium					
<b>Heat Capacity</b>	298.15 K, $C_p = 277.70 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$				
Temperature range 12 to 310 K.					
<b>Entropy</b>	298.15 K, $S = 413.56 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$				
<b>Phase Changes</b>					
c/liq	205.64 K, $\Delta H = 12679 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 61.61 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$				
<b>Molecular Weight</b>	251.5088				
<b>Wiswesser Line Notation</b>	1-SE-1 &1-CD-1				
<b>Evaluation</b>	A				

<b>C<sub>4</sub>H<sub>12</sub>CdTe</b> (liq)		92LEB/KUL	<b>C<sub>4</sub>H<sub>12</sub>Cl<sub>3</sub>MnN</b> (c)		87BRA/CHA
Dimethyl cadmium-dimethyl tellurium			Tetramethylammonium trichloromanganate(II)		
<b>Heat Capacity</b>	298.15 K, Temperature range 12 to 310 K.	$C_p=275.21 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Phase Changes</b>		
<b>Entropy</b>	298.15 K,	$S=413.06 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	c,II/c,I	132.1 K	
<b>Phase Changes</b>			Monoclinic-hexagonal.		
c,II/c,I	103.2 K,	$\Delta H=669 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S=0.84 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b>	235.4425	
c,I/liq	210.45 K,	$\Delta H=10775 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ $\Delta S=51.40 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Wiswesser Line Notation</b>	1K1&1&1 .MN G3	
<b>Molecular Weight</b>	300.1488		<b>Evaluation</b>	A	
<b>Wiswesser Line Notation</b>	1-TE-1 &1-CD-1				
<b>Evaluation</b>	A				
<b>C<sub>4</sub>H<sub>12</sub>CIN</b> (c)		62CHA/WES2	<b>C<sub>4</sub>H<sub>12</sub>Cl<sub>4</sub>FeN</b> (c)		87RUI/LOP
Tetramethylammonium chloride			Tetramethylammonium tetrachloroferrate (III)		
<b>Heat Capacity</b>	298.15 K, Temperature range 5 to 350 K.	$C_p=156.94 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>		
<b>Entropy</b>	298.15 K,	$S=190.71 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Temperature range 60 to 350 K. Data given graphically.		
<b>Phase Changes</b>			<b>Phase Changes</b>		
c,III/c,II	75.76 K,	$\Delta H=116.3 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S=1.54 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	c,VI/c,V	236.1 K,	$\Delta H=498.9 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S=1.98 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c,II/c,I	184.85 K,	$\Delta H=108.4 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S=0.59 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	c,V/c,IV	291.4 K,	$\Delta H=2524 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S=10.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
	Transition over range 180 to 190 K.		c,IV/c,III	307.4 K,	$\Delta H=734.3 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S=2.38 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	109.5985		c,III/c,II	347.0 K,	$\Delta H=713.1 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S=2.05 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b>	1K1&1&1 &G		c,II/c,I	381.0 K,	$\Delta H=5319.6 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S=14.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Evaluation</b>	A				
<b>C<sub>4</sub>H<sub>12</sub>CIN</b> (c)		70MUR/BRE	<b>Molecular Weight</b>	271.8045	
Tetramethylammonium chloride			<b>Wiswesser Line Notation</b>	1K1&1&1 .FE G4	
<b>Phase Changes</b>			<b>Evaluation</b>	A	
c,II/c,I	536 K,	$\Delta H=9905 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S=18.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
<b>Molecular Weight</b>	109.5985				
<b>Wiswesser Line Notation</b>	1K1&1&1 &G				
<b>Evaluation</b>	A				
<b>C<sub>4</sub>H<sub>12</sub>CINO<sub>4</sub></b> (c)		91ISH/IWA	<b>C<sub>4</sub>H<sub>12</sub>Ge</b> (liq)		70VAL/KIL
tert-Butylammonium perchlorate			Tetramethylgermane		
<b>Phase Changes</b>			<b>Heat Capacity</b>	300 K,	$C_p=196.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c,III/c,II	327 K,	$\Delta S=6.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Temperature range	15 to 300 K.	
c,II/c,I	394 K,	$\Delta S=12 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Entropy</b>	300 K,	$S=296.80 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c,I/liq	414 K,	$\Delta S=17 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Phase Changes</b>		
<b>Molecular Weight</b>	173.5961		c/liq	184.368 K,	$\Delta H=7447.1 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S=40.39 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b>	ZX1&1&1 &QGO 3		liq/g	285 K,	$\Delta H=28125 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S=98.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Evaluation</b>	A			P=1 atm	
<b>C<sub>4</sub>H<sub>12</sub>Cl<sub>3</sub>MnN</b> (c)		83DUN/JEW	<b>Molecular Weight</b>	132.7288	
Tetramethylammonium trichloromanganate(II)			<b>Wiswesser Line Notation</b>	1-GE-1&1&1	
<b>Heat Capacity</b>	299.55 K,	$C_p=240.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Evaluation</b>	A	
Temperature range 1.5 to 300 K. Value is unsmoothed experimental datum.					
<b>Phase Changes</b>			<b>C<sub>4</sub>H<sub>12</sub>IN</b> (c)		40COU/PIT
c,II/c,I	126.52 K		Tetramethylammonium iodide		
Monoclinic-hexagonal.			<b>Heat Capacity</b>	298.15 K,	$C_p=160.79 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	235.4425		Temperature range	15 to 300 K.	
<b>Wiswesser Line Notation</b>	1K1&1&1 .MN G3		<b>Entropy</b>	298.15 K,	$S=207.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Evaluation</b>	A		<b>Molecular Weight</b>	201.0500	
			<b>Wiswesser Line Notation</b>	1K1&1&1 &I	
			<b>Evaluation</b>	A	
<b>C<sub>4</sub>H<sub>12</sub>IN</b> (c)		88NAG/SAK	<b>C<sub>4</sub>H<sub>12</sub>IN</b> (c)		
Tetramethylammonium iodide			Tetramethylammonium iodide		
<b>Heat Capacity</b>	298.15 K,	$C_p=161 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p=161 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
One temperature.					
<b>Molecular Weight</b>	201.0500		<b>Molecular Weight</b>	201.0500	
<b>Wiswesser Line Notation</b>	1K1&1&1 &I		<b>Wiswesser Line Notation</b>	1K1&1&1 &I	
<b>Evaluation</b>	B		<b>Evaluation</b>	B	

<b>C<sub>4</sub>H<sub>12</sub>N<sub>2</sub></b> (liq)	75MES/FIN	<b>C<sub>4</sub>H<sub>12</sub>Pb</b> (liq)	59GOO/SCO
1,2-Diamino-2-methylpropane		Tetramethyl lead	
<b>Heat Capacity</b> 298.15 K,	$C_p = 234.56 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p = 202.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 11 to 375 K.		One temperature.	
<b>Entropy</b> 298.15 K,	$S = 259.53 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Entropy</b> 298.15 K,	$S = 319.99 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Phase Changes</b>		<b>Molecular Weight</b> 267.3388	
c,II/c,I	237.5 K,	<b>Wiswesser Line Notation</b> 1-PB-1&1&1	
$\Delta H = 15464 \text{ J} \cdot \text{mol}^{-1}$		<b>Evaluation</b> B	
$\Delta S = 65.11 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
c,I/liq	256.1 K,	<b>C<sub>4</sub>H<sub>12</sub>SZn</b> (liq)	93LEB/KUL
$\Delta H = 2230 \text{ J} \cdot \text{mol}^{-1}$		Dimethylzinc dimethylsulfide complex	
$\Delta S = 8.71 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K,	$C_p = 291.75 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b> 88.1423		Temperature range 5 to 330 K.	
<b>Wiswesser Line Notation</b> ZX1&1&1Z		<b>Entropy</b> 298.15 K,	$S = 389.53 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Evaluation</b> A		<b>Phase Changes</b>	
		c/liq	238.08 K,
<b>C<sub>4</sub>H<sub>12</sub>N<sub>2</sub>O<sub>4</sub></b> (c)	39SAT/SOG	$\Delta H = 16521 \text{ J} \cdot \text{mol}^{-1}$	
Ammonium succinate		$\Delta S = 69.43 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Heat Capacity</b> 323 K,	$C_p = 258.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b> 157.5788	
Temperature range 0 to 100 °C. Mean value.		<b>Wiswesser Line Notation</b> 1-ZN-1 & IS1	
<b>Molecular Weight</b> 152.1498		<b>Evaluation</b> A	
<b>Wiswesser Line Notation</b> QV2VQ & ZH 2			
<b>Evaluation</b> C			
<b>C<sub>4</sub>H<sub>12</sub>N<sub>2</sub>O<sub>6</sub></b> (c)	39SAT/SOG	<b>C<sub>4</sub>H<sub>12</sub>SeZn</b> (liq)	90LEB/KUL
Ammonium tartrate		Dimethylzinc dimethylselenium complex	
<b>Heat Capacity</b> 323 K,	$C_p = 284.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p = 287.18 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 0 to 100 °C. Mean value.		Temperature range 5 to 330 K.	
<b>Molecular Weight</b> 184.1486		<b>Entropy</b> 298.15 K,	$S = 401.09 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b> QVYQYQVQ & ZH 2		<b>Phase Changes</b>	
<b>Evaluation</b> C		c/liq	216.60 K,
		$\Delta H = 14442 \text{ J} \cdot \text{mol}^{-1}$	
		$\Delta S = 66.673 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>C<sub>4</sub>H<sub>12</sub>O<sub>4</sub>Si</b> (liq)	08KAI/KOE	<b>Molecular Weight</b> 204.4788	
Tetramethyl silicate; Methyl silicate		<b>Wiswesser Line Notation</b> 1-ZN-1 & 1-SE-1	
<b>Heat Capacity</b> $C_p = 319 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Evaluation</b> A	
Temperature range 296 to 388 K. One value given for the entire temperature range. $C_p$ given as 0.5011 cal·g <sup>-1</sup> ·K <sup>-1</sup> .			
<b>Phase Changes</b>			
liq/g	394 K,	<b>C<sub>4</sub>H<sub>12</sub>Si</b> (liq)	41AST/KEN
	$\Delta H = 30900 \text{ J} \cdot \text{mol}^{-1}$	Tetramethylsilane; Silicon tetramethyl	
	$\Delta S = 78.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 290 K,	$C_p = 197.90 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b> 152.2219		Temperature range 11 to 290 K.	
<b>Wiswesser Line Notation</b> 10-SI-O1&O1&O1		<b>Entropy</b> 298.15 K,	$S = 277.27 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Evaluation</b> D		<b>Phase Changes</b>	
		c,I/liq	171.04 K,
		$\Delta H = 5969.7 \text{ J} \cdot \text{mol}^{-1}$	
		$\Delta S = 34.90 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>C<sub>4</sub>H<sub>12</sub>O<sub>4</sub>Si</b> (liq)	85NKI/CHA	c,II/liq	174.12 K,
Tetramethyl silicate; Methyl silicate		$\Delta H = 6895 \text{ J} \cdot \text{mol}^{-1}$	
<b>Heat Capacity</b> 298.15 K,	$C_p = 240.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	$\Delta S = 39.60 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
One temperature.		liq/g	299.80 K,
<b>Molecular Weight</b> 152.2219		$\Delta H = 24204 \text{ J} \cdot \text{mol}^{-1}$	
<b>Wiswesser Line Notation</b> 10-SI-O1&O1&O1		$\Delta S = 80.73 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Evaluation</b> B		$P = 101.325 \text{ kPa}$	
<b>C<sub>4</sub>H<sub>12</sub>Pb</b> (liq)	54STA/WAR	<b>Molecular Weight</b> 88.2243	
Tetramethyl lead		<b>Wiswesser Line Notation</b> 1-SI-1&1&1	
<b>Phase Changes</b>		<b>Evaluation</b> A	
c/liq	242.92 K,	<b>C<sub>4</sub>H<sub>12</sub>Si</b> (liq)	73SHI/ENO
	$\Delta H = 10799 \text{ J} \cdot \text{mol}^{-1}$	Tetramethylsilane; Silicon tetramethyl	
	$\Delta S = 44.43 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 177.45 K,	$C_p = 164.56 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b> 267.3388		Temperature range 2 to 26 K and 106 to 277.5 K.	
<b>Wiswesser Line Notation</b> 1-PB-1&1&1		<b>Phase Changes</b>	
<b>Evaluation</b> B		c,II/liq	70.983 K,
		$\Delta H = 5840.9 \text{ J} \cdot \text{mol}^{-1}$	
		$\Delta S = 34.16 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
		Metastable form.	
		c,I/liq	174.049 K,
		$\Delta H = 6741.3 \text{ J} \cdot \text{mol}^{-1}$	
		$\Delta S = 38.73 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
		Stable form.	
		<b>Molecular Weight</b> 88.2243	
		<b>Wiswesser Line Notation</b> 1-SI-1&1&1	
		<b>Evaluation</b> A	

<b>C<sub>4</sub>H<sub>12</sub>Si</b> (liq)		77HAR/ATA	<b>C<sub>4</sub>H<sub>16</sub>Cl<sub>4</sub>MnN<sub>2</sub></b> (c)		75BOC/ARR
Tetramethylsilane; Silicon tetramethyl			Tetrachlorobis-(ethylammonium) manganese II		
<b>Heat Capacity</b>	290 K, Temperature range 3 to 300 K.	$C_p = 189.84 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Phase Changes</b>		
<b>Entropy</b>	290 K,	$S = 272.04 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	c,III/c,II	222 K,	$\Delta H = 43.6 \text{ J} \cdot \text{mol}^{-1}$
<b>Phase Changes</b>			c,II/c,I	424 K,	$\Delta S = 0.20 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c, $\alpha$ /liq	165.920 K,	$\Delta H = 703 \text{ J} \cdot \text{mol}^{-1}$			$\Delta H = 4.1 \text{ J} \cdot \text{mol}^{-1}$
		$\Delta S = 4.24 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			$\Delta S = 0.009 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c, $\beta$ /liq	171.016 K,	$\Delta H = 5878 \text{ J} \cdot \text{mol}^{-1}$	<b>Molecular Weight</b>	288.9338	
		$\Delta S = 34.37 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Wiswesser Line Notation</b>	ZZH2 .MN G4	
c, $\gamma$ /liq	174.074 K,	$\Delta H = 6874 \text{ J} \cdot \text{mol}^{-1}$	<b>Evaluation</b>	B	
		$\Delta S = 39.51 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
<b>Molecular Weight</b>	88.2243				
<b>Wiswesser Line Notation</b>	1-SI-1&1&1				
<b>Evaluation</b>	A				
<b>C<sub>4</sub>H<sub>12</sub>Sn</b> (liq)		54STA/WAR	<b>C<sub>4</sub>H<sub>20</sub>Br<sub>2</sub>N<sub>4</sub>Pt</b> (c)		89PAL/KUZ
Tetramethyl tin; Tetramethyl stannane			Tetrakis(methylamine)platinum dibromide		
<b>Phase Changes</b>			<b>Heat Capacity</b>	298.15 K,	$C_p = 299.00 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c/liq	218.18 K,	$\Delta H = 9439 \text{ J} \cdot \text{mol}^{-1}$	Temperature range	10 to 300 K.	
		$\Delta S = 43.26 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Entropy</b>	298.15 K,	$S = 399.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	178.8488		<b>Phase Changes</b>	c,II/c,I	$\Delta H = 245 \text{ J} \cdot \text{mol}^{-1}$
<b>Wiswesser Line Notation</b>	1-SN-1&1&1				$\Delta S = 1.49 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Evaluation</b>	B		<b>Molecular Weight</b>	479.1268	
<b>C<sub>4</sub>H<sub>12</sub>Sn</b> (liq)		89SHE/RAB	<b>Wiswesser Line Notation</b>	Z1 4 .PT E2	
Tetramethyl tin; Tetramethyl stannane			<b>Evaluation</b>	A	
<b>Heat Capacity</b>	298.15 K, Temperature range 5 to 313 K.	$C_p = 197.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>C<sub>4</sub>H<sub>20</sub>Br<sub>4</sub>N<sub>4</sub>Pt</b> (c)		90PAL/KUZ
<b>Entropy</b>	298.15 K,	$S = 310.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	trans-Tetrakis(methylamine)platinum tetrabromide		
<b>Phase Changes</b>			<b>Heat Capacity</b>	300 K,	$C_p = 351.20 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c/liq	218.05 K,	$\Delta H = 9234 \text{ J} \cdot \text{mol}^{-1}$	Temperature range	10 to 300 K.	
		$\Delta S = 42.35 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b>	638.9348	
<b>Molecular Weight</b>	178.8488		<b>Wiswesser Line Notation</b>	Z1 4 .PT E4 -T	
<b>Wiswesser Line Notation</b>	1-SN-1&1&1		<b>Evaluation</b>	A	
<b>Evaluation</b>	A		<b>C<sub>4</sub>H<sub>20</sub>I<sub>2</sub>N<sub>4</sub>Pt</b> (c)		90PAL/KUZ
<b>C<sub>4</sub>H<sub>12</sub>TeZn</b> (liq)		90LEB/KUL	Tetramethylammonium platinum iodide		
Dimethylzinc dimethyltellurium complex			<b>Heat Capacity</b>	298.15 K,	$C_p = 310.82 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Heat Capacity</b>	298.15 K, Temperature range 13.87 to 300 K.	$C_p = 284.02 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Temperature range	10 to 300 K.	
<b>Entropy</b>	298.15 K,	$S = 420.71 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Entropy</b>	298.15 K,	$S = 416.80 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Phase Changes</b>			<b>Molecular Weight</b>	573.1278	
c/liq	195.34 K,	$\Delta H = 10942 \text{ J} \cdot \text{mol}^{-1}$	<b>Wiswesser Line Notation</b>	Z1 4 .PT I2	
		$\Delta S = 56.014 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Evaluation</b>	A	
<b>Molecular Weight</b>	253.1188		<b>C<sub>5</sub>F<sub>11</sub>N</b> (liq)		63GOO/TOI
<b>Wiswesser Line Notation</b>	1-ZN-1 &1-TE-1		Perfluoropiperidine		
<b>Evaluation</b>	A		<b>Heat Capacity</b>	298.15 K,	$C_p = 296.77 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>C<sub>4</sub>H<sub>13</sub>Cl<sub>2</sub>N</b> (c)		62CHA/WES3	Temperature range	12 to 320 K.	
Tetramethylammonium hydrogen dichloride			<b>Entropy</b>	298.15 K,	$S = 393.38 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Heat Capacity</b>	298.15 K, Temperature range 5 to 350 K. Corrected for decomposition above 250 K.	$C_p = 205.31 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Phase Changes</b>		
<b>Entropy</b>	298.15 K,	$S = 253.68 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	c,III/c,II	161.0 K,	$\Delta H = 6627.5 \text{ J} \cdot \text{mol}^{-1}$
<b>Molecular Weight</b>	146.0594		c,II/c,I	171.9 K,	$\Delta S = 41.16 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b>	1K1&1&1 &G &GH		c,I/liq	274.12 K,	$\Delta H = 1838.9 \text{ J} \cdot \text{mol}^{-1}$
<b>Evaluation</b>	A				$\Delta S = 10.70 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>C<sub>4</sub>H<sub>13</sub>N<sub>3</sub></b> (liq)		88BOB/KAM			$\Delta H = 2816 \text{ J} \cdot \text{mol}^{-1}$
Diethylenetriamine					$\Delta S = 10.27 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Heat Capacity</b>	313 K, Temperature range 313 to 493 K.	$C_p = 254 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b>	283.0441	
<b>Molecular Weight</b>	103.1668		<b>Wiswesser Line Notation</b>	T6NTJ AF BF CF CF DF DF EF EF FF F	
<b>Wiswesser Line Notation</b>	Z2M2Z		<b>Evaluation</b>	A	
<b>Evaluation</b>	D		<b>C<sub>5</sub>F<sub>12</sub></b> (liq)		83CAM/DL
			n-Perfluoropentane		
			<b>Heat Capacity</b>	293 K,	$C_p = 188.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
			Interpolated data.		
			<b>Molecular Weight</b>	288.0358	
			<b>Wiswesser Line Notation</b>	FXFFXFFXFFXFFF	
			<b>Evaluation</b>	C	

$C_5F_{13}N$ (liq)		80ZHO/KOS	$C_p = 337.46 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	$S = 475.09 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	$C_5H_4N_4O_3$ (c)	35STI/HUF
Perfluoromethylidethylamine			Uric acid			
<b>Heat Capacity</b>	298.15 K,		<b>Heat Capacity</b>	297.1 K,	$C_p = 166.15 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 6 to 300 K.			Temperature range 85 to 297 K. Value is unsmoothed experimental datum.			
<b>Entropy</b>	298.15 K,		<b>Entropy</b>	298.15 K,	$S = 173.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Phase Changes</b>			Extrapolation below 90 K, 50.25 $\text{J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .			
c,III/c,II	102.4 K		<b>Molecular Weight</b>	168.1116		
Metastable phase is a supercooled liquid in the range 102.4 to 126.0 K and forms a glass at 102.4 K.			<b>Wiswesser Line Notation</b>	T56 BMVM FMVMVJ		
c,II/c,I	126.0 K,	$\Delta H = 5532.1 \text{ J} \cdot \text{mol}^{-1}$	<b>Evaluation</b>	B	$(C_p), C(S)$	
		$\Delta S = 43.89 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$				
c,I/liq	149.64 K,	$\Delta H = 7157.6 \text{ J} \cdot \text{mol}^{-1}$				
		$\Delta S = 47.86 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$				
Monotropic transition from metastable to stable phase.						
<b>Molecular Weight</b>	321.0409					
<b>Wiswesser Line Notation</b>	FXFFXFFF 2NXFFF					
<b>Evaluation</b>	A					
$C_5F_{13}N$ (liq)		84GOL/KOL			$C_5H_4O_2$ (liq)	1881REI
Perfluoromethylidethylamine			Furfural; Furfuraldehyde			
<b>Phase Changes</b>			<b>Heat Capacity</b>	298 K,	$C_p = 158.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
c/liq 150.1 K,			Temperature range 290 to 347 K.			
<b>Molecular Weight</b>	321.0409		<b>Molecular Weight</b>	96.0854		
<b>Wiswesser Line Notation</b>	FXFFXFFF 2NXFFF		<b>Wiswesser Line Notation</b>	T5OJ BVH		
<b>Evaluation</b>	A		<b>Evaluation</b>	D		
$C_5H_3F_3O_2$ (liq)		84GOL/KOL			$C_5H_4O_2$ (liq)	35MIL
Methyl perfluorobutanoate			Furfural; Furfuraldehyde			
<b>Phase Changes</b>			<b>Heat Capacity</b>		Temperature range 100 to 298 K. $C_p$ data in thesis only.	
c/liq	191.4 K,	$\Delta H = 11770 \text{ J} \cdot \text{mol}^{-1}$	<b>Entropy</b>	298.15 K,	$S = 218.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
		$\Delta S = 61.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Extrapolation below 90 K, 52.38 $\text{J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .			
<b>Molecular Weight</b>	228.0663		<b>Phase Changes</b>			
<b>Wiswesser Line Notation</b>	XFFFFXFFXFFVO1		c/liq	235.1 K,	$\Delta H = 14368 \text{ J} \cdot \text{mol}^{-1}$	
<b>Evaluation</b>	A				$\Delta S = 61.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
$C_5H_4N_4$ (c)		84KIR/DOM	<b>Molecular Weight</b>	96.0854		
Purine			<b>Wiswesser Line Notation</b>	T5OJ BVH		
<b>Heat Capacity</b>	298.15 K,	$C_p = 106.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Evaluation</b>	C		
One temperature.						
<b>Molecular Weight</b>	120.1134		$C_5H_4O_2$ (liq)		62OME	
<b>Wiswesser Line Notation</b>	T56 BN DM GN INJ		Furfural; Furfuraldehyde			
<b>Evaluation</b>	B		<b>Heat Capacity</b>	298.15 K,	$C_p = 162.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
			Temperature range 288 to 412 K.			
$C_5H_4N_4O$ (c)		35STI/HUF	<b>Molecular Weight</b>	96.0854		
Hypoxanthine			<b>Wiswesser Line Notation</b>	T5OJ BVH		
<b>Heat Capacity</b>	298.5 K,	$C_p = 134.52 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Evaluation</b>	B		
Temperature range 85 to 298 K. Value is unsmoothed experimental datum.						
<b>Entropy</b>	298.15 K,	$S = 145.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	$C_5H_5F_3O_2$ (liq)		67RAS/GAN	
Extrapolation below 90 K, 45.56 $\text{J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .			Trifluoromethyl (2-hydroxy-1-propenyl) ketone			
<b>Molecular Weight</b>	136.1128		<b>Phase Changes</b>			
<b>Wiswesser Line Notation</b>	T56 BM DN FVM INJ		c/liq	232.4 K,	$\Delta H = 8450 \text{ J} \cdot \text{mol}^{-1}$	
<b>Evaluation</b>	B				$\Delta S = 36.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
$C_5H_4N_4O_2$ (c)		35STI/HUF	<b>Molecular Weight</b>	154.0885		
Xanthine			<b>Wiswesser Line Notation</b>	QY1&U1VXFFF		
<b>Heat Capacity</b>	298.5 K,	$C_p = 151.34 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Evaluation</b>	A		
Temperature range 85 to 299 K. Value is unsmoothed experimental datum.						
<b>Entropy</b>	298.15 K,	$S = 161.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	$C_5H_5N$ (liq)		71HAL/BAL	
Extrapolation below 90 K, 48.87 $\text{J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .			1-Bicyclobutyl cyanide; 1-Cyanobicyclobutane			
<b>Molecular Weight</b>	152.1122		<b>Heat Capacity</b>	297 K,	$C_p = 132.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Wiswesser Line Notation</b>	T56 BM DN FMVMVJ		One temperature.			
<b>Evaluation</b>	B		<b>Molecular Weight</b>	79.1012		
			<b>Wiswesser Line Notation</b>	L33TJ ACN		
			<b>Evaluation</b>	C		

$C_5H_5N$ (liq)		16BRA	$C_5H_5N$ (liq)		57MCC/DOT
Pyridine			Pyridine		
<b>Heat Capacity</b> 283 K,		$C_p = 130.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,		$C_p = 132.72 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Mean value, 0 to 20°C.			Temperature range 10 to 350 K.		
<b>Molecular Weight</b> 79.1012			<b>Entropy</b> 298.15 K,		$S = 177.90 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Wiswesser Line Notation T6NJ			<b>Phase Changes</b>		
Evaluation C		c/liq	231.49 K,		$\Delta H = 8278.5 \text{ J} \cdot \text{mol}^{-1}$
					$\Delta S = 35.76 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
					Includes energy of anomaly at about 210 K.
$C_5H_5N$ (liq)		17MAT/KRA	<b>Molecular Weight</b> 79.1012		
Pyridine			Wiswesser Line Notation T6NJ		
<b>Heat Capacity</b> 294 K,		$C_p = 129.33 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Evaluation A		
One temperature.					
<b>Molecular Weight</b> 79.1012					
Wiswesser Line Notation T6NJ					
Evaluation B					
$C_5H_5N$ (liq)		31SWI/RYB	$C_5H_5N$ (liq)		58SWI/ZI
Pyridine			Pyridine		
<b>Heat Capacity</b> 290 K,		$C_p = 135.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 332 K,		$C_p = 146.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
One temperature.			Mean value 22 to 96°C.		
<b>Molecular Weight</b> 79.1012			<b>Molecular Weight</b> 79.1012		
Wiswesser Line Notation T6NJ			Wiswesser Line Notation T6NJ		
Evaluation B			Evaluation C		
$C_5H_5N$ (liq)		31SWI/RYB2	$C_5H_5N$ (liq)		61HUB/FR-
Pyridine			Pyridine		
<b>Heat Capacity</b> 273.4 K,		$C_p = 135.35 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,		$C_p = 133 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
One temperature.			One temperature.		
<b>Molecular Weight</b> 79.1012			<b>Molecular Weight</b> 79.1012		
Wiswesser Line Notation T6NJ			Wiswesser Line Notation T6NJ		
Evaluation B			Evaluation B		
$C_5H_5N$ (liq)		34RAD/JUL	$C_5H_5N$ (liq)		67RAS/GA
Pyridine			Pyridine		
<b>Heat Capacity</b> 289 K,		$C_p = 129.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 293 K,		$C_p = 193.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
One temperature.			Temperature range 293 to 353 K.		
<b>Molecular Weight</b> 79.1012			<b>Molecular Weight</b> 79.1012		
Wiswesser Line Notation T6NJ			Wiswesser Line Notation T6NJ		
Evaluation C			Evaluation C		
$C_5H_5N$ (liq)		36PAR/TOD	$C_5H_5N_5$ (c)		35STI/HU
Pyridine			Adenine		
<b>Heat Capacity</b> 298.1 K,		$C_p = 134.93 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.1 K,		$C_p = 143.13 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 90 to 300 K.			Temperature range 88 to 298 K. Value is unsmoothed experiment		
<b>Entropy</b> 298.1 K,		$S = 179.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	datum.		
Extrapolation below 90 K, 50.04 $\text{J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .			<b>Entropy</b> 298.15 K,		$S = 151.01 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Phase Changes</b>			Extrapolation below 90 K, 46.69 $\text{J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .		
c/liq 231.1 K,		$\Delta H = 8272 \text{ J} \cdot \text{mol}^{-1}$	<b>Molecular Weight</b> 135.1280		
		$\Delta S = 35.79 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Wiswesser Line Notation T56 BM DN FN HNJ IZ		
<b>Molecular Weight</b> 79.1012			Evaluation		
Wiswesser Line Notation T6NJ			B(Cp),C(S)		
Evaluation B(Cp),C(S)					
$C_5H_5N$ (liq)		36PEA/BAK	$C_5H_5N_5$ (c)		78K-
Pyridine			Adenine		
<b>Heat Capacity</b> 298.1 K,		$C_p = 133.30 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298 K,		$C_p = 147.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 90 to 298 K. Value is unsmoothed experimental			One temperature.		
datum.					
<b>Entropy</b> 298.15 K,		$S = 210.41 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b> 135.1280		
Extrapolation below 90 K, 89.33 $\text{J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .			Wiswesser Line Notation T56 BM DN FN HNJ IZ		
<b>Phase Changes</b>			Evaluation		
c/liq 230.38 K,		$\Delta H = 3100 \text{ J} \cdot \text{mol}^{-1}$			
		$\Delta S = 13.46 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
<b>Molecular Weight</b> 79.1012					
Wiswesser Line Notation T6NJ					
Evaluation B		(Cp),C(S)			

$C_5H_5N_5O$	(c)	35STI/HUF
Guanine		
<b>Heat Capacity</b>	296.7 K,	$C_p = 156.94 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range	84 to 297 K.	Value is unsmoothed experimental datum.
<b>Entropy</b>	298.15 K,	$S = 160.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Extrapolation below	90 K,	$45.06 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	151.1274	
<b>Wiswesser Line Notation</b>	T56 BN DM FN HNJ GZ IQ	
<b>Evaluation</b>		
B(Cp),C(S)		

Assumption A: crystal is completely in the disordered state at 320 K.  
 Assumption B: disordered state in the crystal is a function of  $\beta/T^2$  term, where the fitting parameter and short range order completely disappears at infinite temperature.

$C_5H_5N_5O$	(c)	81KIL
Guanine		
<b>Heat Capacity</b>	298 K,	$C_p = 160.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
One temperature.		
<b>Molecular Weight</b>	151.1274	
<b>Wiswesser Line Notation</b>	T56 BN DM FN HNJ GZ IQ	
<b>Evaluation C</b>		

$C_5H_6$	(liq)	77LEB/LIT4
Cyclopentadiene		
<b>Heat Capacity</b>	298.15 K,	$C_p = 115.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range	14 to 330 K.	
<b>Entropy</b>	298.15 K,	$S = 182.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Phase Changes</b>		
c/liq	176.60 K,	$\Delta H = 8010 \text{ J} \cdot \text{mol}^{-1}$
		$\Delta S = 45.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	66.1024	
<b>Wiswesser Line Notation</b>	L5 AHJ	
<b>Evaluation A</b>		

$C_5H_6F_6NP$	(c)	93HAN/OHT
Pyridium hexafluorophosphate		
<b>Heat Capacity</b>	299.27 K,	$C_p = 243.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range	4 to 320 K.	Unsmoothed experimental datum.
<b>Phase Changes</b>		
c,II/c,I	217.83 K,	$\Delta H = 5040 \text{ J} \cdot \text{mol}^{-1}$
		$\Delta S = 25.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Assumption A.		
c,II/c,I	217.83 K,	$\Delta H = 9740 \text{ J} \cdot \text{mol}^{-1}$
		$\Delta S = 36.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Assumption B.		
<b>Molecular Weight</b>	225.0733	
<b>Wiswesser Line Notation</b>	T6NJ & HPFFFFFF	
<b>Evaluation A</b>		

Assumption A: crystal is completely in the disordered state at 320 K.  
 Assumption B: disordered state in the crystal is a function of the  $\beta/T^2$  term, where  $\beta$  is the fitting parameter and short range order completely disappears at infinite temperature.

$C_5H_6IN$	(c)	93HAN/OHT
Pyridium iodide		
<b>Heat Capacity</b>	299.83 K,	$C_p = 139.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range	4 to 320 K.	Unsmoothed experimental datum.
<b>Phase Changes</b>		
c,II/c,I	249.65 K,	$\Delta H = 4070 \text{ J} \cdot \text{mol}^{-1}$
		$\Delta S = 18.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Assumption A.		
c,II/c,I	249.65 K,	$\Delta H = 7260 \text{ J} \cdot \text{mol}^{-1}$
		$\Delta S = 21.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Assumption B.		
<b>Molecular Weight</b>	193.0069	
<b>Wiswesser Line Notation</b>	T6NJ & HI	
<b>Evaluation A</b>		

$(C_5H_6NNaO_3)_n$	(c)	91ROL
Poly-L-glutamic acid, sodium salt		
<b>Heat Capacity</b>	300 K,	$C_p = 157.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range	220 to 390 K.	
<b>Molecular Weight</b>	151.0971	
<b>Wiswesser Line Notation</b>	/*V2YVO &-NA- &M*/ -L	
<b>Evaluation B</b>		

$(C_5H_6NNaO_3)_n$	(c)	93ROL/XEN
Poly-L-glutamic acid, sodium salt		
<b>Heat Capacity</b>	300 K,	$C_p = 157.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range	220 to 390 K.	
<b>Molecular Weight</b>	151.0971	
<b>Wiswesser Line Notation</b>	/*V2YVO &-NA- &M*/ -L	
<b>Evaluation B</b>		

$C_5H_6N_2$	(liq)	65CLE/WUL
Glutaronitrile; 1,3-Dicyanopropane		
<b>Heat Capacity</b>	298.15 K.	$C_p = 186.26 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range	5 to 350 K.	
<b>Entropy</b>	298.15 K,	$S = 239.45 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Phase Changes</b>		
c/liq	244.21 K,	$\Delta H = 12585 \text{ J} \cdot \text{mol}^{-1}$
		$\Delta S = 51.53 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	94.1158	
<b>Wiswesser Line Notation</b>	NC3CN	
<b>Evaluation A</b>		

$C_5H_6N_2$	(c,II)	67RIB/WES
Dimethylmalonitrile; 2,2-Dicyanopropane		
<b>Heat Capacity</b>	298.15 K,	$C_p = 179.49 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range	5 to 350 K.	
<b>Entropy</b>	298.15 K,	$S = 187.95 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Phase Changes</b>		
c,II/c,I	302.60 K,	$\Delta H = 9866 \text{ J} \cdot \text{mol}^{-1}$
		$\Delta S = 32.60 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c,I/liq	307.47 K,	$\Delta H = 4054 \text{ J} \cdot \text{mol}^{-1}$
		$\Delta S = 13.19 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	94.1158	
<b>Wiswesser Line Notation</b>	NCX1&1&CN	
<b>Evaluation A</b>		

$C_5H_6N_2O_2$	(c)	1889EYK
Thymine		
<b>Phase Changes</b>		
c/liq	321.3 K,	$\Delta H = 17510 \text{ J} \cdot \text{mol}^{-1}$
<b>Molecular Weight</b>	126.1146	
<b>Wiswesser Line Notation</b>	T6MVMVJ E1	
<b>Evaluation C</b>		

$C_5H_6N_2O_2$	(c)	73ALV/BIL
Thymine		
<b>Heat Capacity</b>	298.15 K,	$C_p = 151.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
One temperature.		
<b>Molecular Weight</b>	126.1146	
<b>Wiswesser Line Notation</b>	T6MVMVJ E1	
<b>Evaluation C</b>		

$C_5H_6N_2O_2$ (c)		78KIL2	$C_5H_6S$ (liq)	56PEN/FIN
Thymine			2-Methylthiophene	
<b>Heat Capacity</b> 298 K,	$C_p = 150.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K,	$C_p = 149.83 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
One temperature.			Temperature range 12 to 340 K.	
<b>Molecular Weight</b> 126.1146			<b>Entropy</b> 298.15 K,	$S = 218.49 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Wiswesser Line Notation T6MVMVJ E1			<b>Phase Changes</b>	
Evaluation C			c/liq	$\Delta H = 11142 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 53.62 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
$C_5H_6O$ (liq)		65CAR/WES2	<b>Molecular Weight</b> 98.1624	
2-Methylfuran			Wiswesser Line Notation T5SJ B1	
<b>Heat Capacity</b> 298.15 K,	$C_p = 143.72 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		Evaluation A	
Temperature range 5 to 310 K.			$C_5H_7N$ (liq)	71HAL/BAL
<b>Entropy</b> 298.15 K,	$S = 213.89 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		Cyclobutyl cyanide; Cyanocyclobutane	
<b>Phase Changes</b>			<b>Heat Capacity</b> 297 K,	$C_p = 146.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c/liq	181.90 K,		One temperature.	
			<b>Molecular Weight</b> 81.1170	
<b>Molecular Weight</b> 82.1018			Wiswesser Line Notation L4TJ ACN	
Wiswesser Line Notation T5OJ B1			Evaluation C	
Evaluation A				
$C_5H_6O_2$ (liq)		35MIL	$C_5H_7N$ (liq)	86STE/CH'
Furfuryl alcohol			N-Methylpyrrole	
<b>Entropy</b> 298.15 K,	$S = 215.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K,	$C_p = 150.06 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Extrapolation below 90 K, 42.97 $\text{J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .			Temperature range 10 to 370 K.	
<b>Phase Changes</b>			<b>Entropy</b> 298.15 K,	$S = 200.48 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c/liq	253.5 K,		<b>Phase Changes</b>	
			c/liq	216.912 K
<b>Molecular Weight</b> 98.1012			<b>Molecular Weight</b> 81.1170	
Wiswesser Line Notation T5OJ B1Q			Wiswesser Line Notation T5NJ A1	
Evaluation C			Evaluation A	
$C_5H_6O_2$ (liq)		50HOU/MAS	$C_5H_7N$ (liq)	87MES/TOI
Furfuryl alcohol			N-Methylpyrrole	
<b>Heat Capacity</b> 303 K,	$C_p = 193.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K,	$C_p = 150.06 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 303 to 333 K.			Temperature range 10 to 370 K.	
<b>Molecular Weight</b> 98.1012			<b>Entropy</b> 298.15 K,	$S = 200.48 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Wiswesser Line Notation T5OJ B1Q			<b>Phase Changes</b>	
Evaluation B			c/liq	216.912 K,
			<b>Molecular Weight</b> 81.1170	
$C_5H_6O_2$ (liq)		56PAR/KEN	Wiswesser Line Notation T5NJ A1	
Furfuryl alcohol			Evaluation A	
<b>Heat Capacity</b> 298.15 K,	$C_p = 204.01 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		$C_5H_7N$ (liq)	88MES/TOI
Temperature range 90 to 300 K.			N-Methylpyrrole	
<b>Entropy</b> 298.1 K,	$S = 215.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298.150 K,	$C_p = 150.058 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Extrapolation below 80 K, 48.99 $\text{J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .			Temperature range 10 to 400 K.	
<b>Phase Changes</b>			<b>Entropy</b> 298.150 K,	$S = 200.519 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c/liq	258.6 K,		<b>Phase Changes</b>	
			c/liq	216.912 K,
<b>Molecular Weight</b> 98.1012			<b>Molecular Weight</b> 81.1170	
Wiswesser Line Notation T5OJ B1Q			Wiswesser Line Notation T5NJ A1	
Evaluation B			Evaluation A	
( $C_p$ ),C(S)				
$C_5H_6S$ (gls)		68CAR/WES	$(C_5H_7NO)_n$ (c)	91ROI
2-Methylthiophene			Poly-L-proline	
<b>Heat Capacity</b> 199.70 K,	$C_p = 97.91 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 300 K,	$C_p = 115.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 110 to 200 K. Value is unsmoothed experimental datum.			Temperature range 220 to 390 K.	
<b>Molecular Weight</b> 98.1624			<b>Molecular Weight</b> 97.1164	
Wiswesser Line Notation T5SJ B1			Wiswesser Line Notation /T5NTJ A* BV*/ -L	
Evaluation A Data for glass transition region.			Evaluation B	

$(C_5H_7NO)_n$ (c)	93ROL/XEN	$C_5H_8$ (liq)	37BEK/WOO
Poly-L-proline		2-Methyl-1,3-butadiene; Isoprene	
<b>Heat Capacity</b> 300 K,	$C_p=115.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.2 K,	$C_p=152.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 220 to 390 K.		Temperature range 20 to 300 K.	
<b>Molecular Weight</b> 97.1164		<b>Entropy</b> 298.2 K,	$S=229.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Wiswesser Line Notation /T5NTJ A* BV*/ -L		<b>Phase Changes</b>	
<b>Evaluation B</b>		c/liq 126.4 K,	$\Delta H=4830 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S=38.21 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
 		<b>Molecular Weight</b> 68.1182	
$C_5H_7NO_2$ (liq)	87KHO/BUG	Wiswesser Line Notation IUY1&1U1	
Ethyl cyanoacetate		<b>Evaluation A</b>	
<b>Heat Capacity</b> 298.15 K,	$C_p=220.22 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	 	
Temperature range 90 to 300 K.		$C_5H_8$ (liq)	65WAR/PET
<b>Entropy</b> 298.15 K,	$S=177.45 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	2-Methyl-1,3-butadiene; Isoprene	
<i>S</i> value does not agree with 91ISK/ISM.		<b>Heat Capacity</b> 298.15 K,	$C_p=152.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Phase Changes</b>		Temperature range 20 to 300 K. A reexamination of 37BEK/WOO.	
c,I/Ic,I 162.5 K		<b>Entropy</b> 298.15 K,	$S=229.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Glass transition. Transition temperature estimated from graph.		<b>Phase Changes</b>	
c,I/liq 246.8 K,	$\Delta H=11780 \text{ J} \cdot \text{mol}^{-1}$	c/liq 126.4 K,	$\Delta H=4830 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S=38.21 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
	$\Delta S=47.73 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b> 68.1182	
<b>Molecular Weight</b> 113.1158		Wiswesser Line Notation IUY1&1U1	
Wiswesser Line Notation NC1VO2		<b>Evaluation A</b>	
<b>Evaluation A</b>		 	
$C_5H_7NO_2$ (liq)	91ISK/ISM	$C_5H_8$ (liq)	70MES/TOD
Ethyl cyanoacetate		2-Methyl-1,3-butadiene; Isoprene	
<b>Heat Capacity</b> 300 K,	$C_p=222.04 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p=151.08 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 90 to 300 K.		Temperature range 12 to 320 K.	
<b>Entropy</b> 300 K,	$S=275.33 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Entropy</b> 298.15 K,	$S=228.28 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<i>S</i> value does not agree with 87 KHO/BUG.		<b>Phase Changes</b>	
<b>Molecular Weight</b> 113.1158		c/liq 127.27 K,	$\Delta H=4924.6 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S=38.694 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Wiswesser Line Notation NC1VO2		<b>Molecular Weight</b> 68.1182	
<b>Evaluation A</b> T(glass)=160 K.		Wiswesser Line Notation IUY1&1U1	
<b>Evaluation A</b>		<b>Evaluation A</b>	
$C_5H_8$ (liq)	36PAR/TOD2	$C_5H_8$ (liq)	69GOO
1,4-Pentadiene		3-Methyl-1,2-butadiene	
<b>Heat Capacity</b> 292.5 K,	$C_p=146.61 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p=151.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 82 to 293 K. Value is unsmoothed experimental datum.		One temperature.	
<b>Entropy</b> 298.15 K,	$S=338.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b> 68.1182	
Extrapolation below 80 K, 47.11 $\text{J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .		Wiswesser Line Notation 1Y1&UCU1	
<b>Phase Changes</b>		<b>Evaluation</b> B	
c/liq 124.3 K,	$\Delta H=6142 \text{ J} \cdot \text{mol}^{-1}$	 	
	$\Delta S=49.41 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	 	
<b>Molecular Weight</b> 68.1182		$C_5H_8$ (liq)	70MES/TOD
Wiswesser Line Notation 1U3U1		3-Methyl-1,2-butadiene	
<b>Evaluation B</b> ( $C_p$ , C(S)		<b>Heat Capacity</b> 298.15 K,	$C_p=152.42 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
 		Temperature range 12 to 320 K.	
$C_5H_8$ (liq)	70MES/TOD	<b>Entropy</b> 298.15 K,	$S=231.79 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
1,4-Pentadiene		<b>Phase Changes</b>	
<b>Heat Capacity</b> 298.15 K,	$C_p=146.82 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	c/liq 159.53 K,	$\Delta H=7956.3 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S=49.873 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 12 to 320 K.		<b>Molecular Weight</b> 68.1182	
<b>Entropy</b> 298.15 K,	$S=248.86 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Wiswesser Line Notation 1Y1&UCU1	
<b>Phase Changes</b>		<b>Evaluation</b> A	
c/liq 124.9 K,	$\Delta H=6073.1 \text{ J} \cdot \text{mol}^{-1}$	 	
	$\Delta S=48.620 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	 	
<b>Molecular Weight</b> 68.1182		$C_5H_8$ (liq)	70MES/TOD
Wiswesser Line Notation 1U3U1		1-cis-3-Pentadiene	
<b>Evaluation A</b>		<b>Heat Capacity</b> 298.15 K,	$C_p=146.57 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
 		Temperature range 12 to 320 K.	
 		<b>Entropy</b> 298.15 K,	$S=233.25 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
 		<b>Phase Changes</b>	
 		c/liq 132.35 K,	$\Delta H=5638.8 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S=42.605 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
 		<b>Molecular Weight</b> 68.1182	
 		Wiswesser Line Notation 2U2U1 -C	
 		<b>Evaluation</b> A	

$C_5H_8$ (liq)	
1-trans-3-Pentadiene	
<b>Heat Capacity</b>	298.15 K,
Temperature range	12 to 320 K.
<b>Entropy</b>	298.15 K,
<b>Phase Changes</b>	
c/liq	185.71 K,
<b>Molecular Weight</b>	68.1182
<b>Wiswesser Line Notation</b>	2U2U1 - T
<b>Evaluation</b>	A

$C_5H_8$ (liq)	
2,3-Pentadiene	
<b>Heat Capacity</b>	298.15 K,
Temperature range	12 to 320 K.
<b>Entropy</b>	298.15 K,
<b>Phase Changes</b>	
c/liq	147.52 K,
<b>Molecular Weight</b>	68.1182
<b>Wiswesser Line Notation</b>	2UCU2
<b>Evaluation</b>	A

$C_5H_8$ (liq)	
1,2-Pentadiene	
<b>Heat Capacity</b>	298.15 K,
Temperature range	12 to 320 K.
<b>Entropy</b>	298.15 K,
<b>Phase Changes</b>	
c/liq	135.89 K,
<b>Molecular Weight</b>	68.1182
<b>Wiswesser Line Notation</b>	3UCU1
<b>Evaluation</b>	A

$C_5H_8$ (liq)	
Spiropentane	
<b>Heat Capacity</b>	298.15 K,
Temperature range	12 to 312 K.
<b>Entropy</b>	298.15 K,
<b>Phase Changes</b>	
c/liq	166.14 K,
liq/g	312.13 K,
$P=101.325 \text{ kPa}$	
<b>Molecular Weight</b>	68.1182
<b>Wiswesser Line Notation</b>	L3XT J A-& AL3XTJ
<b>Evaluation</b>	A

$C_5H_8$ (liq)	
Methylenecyclobutane	
<b>Heat Capacity</b>	298.15 K,
Temperature range	6 to 320 K.
<b>Entropy</b>	298.15 K,
<b>Phase Changes</b>	
c/liq	138.621 K,
<b>Molecular Weight</b>	68.1182
<b>Wiswesser Line Notation</b>	L4YTJ AU1
<b>Evaluation</b>	A

70MES/TOD	
$C_p=149.33 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
$S=227.11 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
$\Delta H=7143.8 \text{ J} \cdot \text{mol}^{-1}$	
$\Delta S=38.468 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	

<b>Molecular Weight</b>	68.1182
<b>Wiswesser Line Notation</b>	L4YTJ AU1
<b>Evaluation</b>	A

70MES/TOD	
$C_p=152.34 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
$S=237.32 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
$\Delta H=6127.9 \text{ J} \cdot \text{mol}^{-1}$	
$\Delta S=44.929 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	

<b>Molecular Weight</b>	68.1182
<b>Wiswesser Line Notation</b>	L4YTJ AU1
<b>Evaluation</b>	A

70MES/TOD	
$C_p=150.83 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
$S=244.97 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
$\Delta H=7559.2 \text{ J} \cdot \text{mol}^{-1}$	
$\Delta S=55.628 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	

<b>Molecular Weight</b>	68.1182
<b>Wiswesser Line Notation</b>	L4YTJ AU1
<b>Evaluation</b>	A

50SCO/FIN2	
$C_p=134.52 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
$S=193.68 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
$\Delta H=6433.3 \text{ J} \cdot \text{mol}^{-1}$	
$\Delta S=38.72 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
$\Delta H=26748 \text{ J} \cdot \text{mol}^{-1}$	
$\Delta S=85.70 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	

<b>Molecular Weight</b>	68.1182
<b>Wiswesser Line Notation</b>	L5UTJ
<b>Evaluation</b>	A

75LEB/LEB	
$C_p=133.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
$S=210.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
$\Delta H=5756 \text{ J} \cdot \text{mol}^{-1}$	
$\Delta S=41.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	

<b>Molecular Weight</b>	68.1182
<b>Wiswesser Line Notation</b>	/*Y1&U3*/C
<b>Evaluation</b>	C

Latex digested with steam at 190°C, and extracted with alcohol and water.

$C_5H_8$ (liq)	
Methylenecyclobutane	
<b>Heat Capacity</b>	298.15 K,
Temperature range	12 to 315 K.
<b>Entropy</b>	298.15 K,
<b>Phase Changes</b>	
c/liq	138.62 K,
<b>Molecular Weight</b>	68.1182
<b>Wiswesser Line Notation</b>	L4YTJ AU1
<b>Evaluation</b>	Q

$C_5H_8$ (liq)	
Methylenecyclobutane	
<b>Heat Capacity</b>	298.15 K,
Temperature range	12 to 315 K.
<b>Entropy</b>	298.15 K,
<b>Phase Changes</b>	
c/liq	138.62 K,
<b>Molecular Weight</b>	68.1182
<b>Wiswesser Line Notation</b>	L4YTJ AU1
<b>Evaluation</b>	A

$C_5H_8$ (liq)	
Cyclopentene	
<b>Heat Capacity</b>	298.15 K,
Temperature range	12 to 301 K. Equation also given for temperature range 146 to 301 K.
<b>Entropy</b>	298.15 K,
<b>Phase Changes</b>	
c,II/c,I	87.07 K,
c,I/liq	138.535 K,
<b>Molecular Weight</b>	68.1182
<b>Wiswesser Line Notation</b>	L4YTJ AU1
<b>Evaluation</b>	A

$C_5H_8$ (liq)	
Rubber; Late	
<b>Heat Capacity</b>	280 K,
Temperature range	15 to 280 K. Values per $C_5H_8$ unit.
<b>Phase Changes</b>	
c/amorp	284 K,
$\Delta H=4761 \text{ J} \cdot \text{mol}^{-1}$	
$\Delta S=16.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Corrected for premelting, 255 to 284 K. Value per $C_5H_8$ unit. Fusion actually transition to amorphous form.	

$(C_5H_8)_n$ (c)	
Bulk	
<b>Heat Capacity</b>	280 K,
Temperature range	15 to 280 K. Values per $C_5H_8$ unit.
<b>Phase Changes</b>	
c/amorp	284 K,
$\Delta H=4761 \text{ J} \cdot \text{mol}^{-1}$	
$\Delta S=16.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Latex digested with steam at 190°C, and extracted with alcohol and water.	

$(C_5H_8)_n$ (amorp)		35BEK/MAT	$(C_5H_8)_n$ (gls)		77LEB/RAB3
Rubber; Latex			trans-Polypentenamer		
<b>Heat Capacity</b> 298.15 K,	$C_p=128.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 300 K,	$C_p=136 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 14 to 320 K. Value per $C_5H_8$ unit.			Temperature range 7 to 330 K. Glassy state. Data given graphically.		
<b>Entropy</b> 298.15 K,	$S=128.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		Value estimated from graph.		
From graphical integration of $C_p$ data of crystal, entropy of fusion, and $C_p$ data of amorphous above 284 K.					
<b>Molecular Weight</b> 68.1182			<b>Entropy</b> 300 K,	$S=150 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Wiswesser Line Notation</b> /*Y1&U3*-C/			Highly elastic state.		
<b>Evaluation</b> C			<b>Phase Changes</b>		
Latex digested with steam at 190°C, and extracted with alcohol and water.			c/liq 310 K,	$\Delta H=8900 \text{ J} \cdot \text{mol}^{-1}$	
				$\Delta S=28.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
$(C_5H_8)_n$ (amorp)		65WAR/PET	<b>Molecular Weight</b> 68.1182		
Rubber; Latex			<b>Wiswesser Line Notation</b> /*YU4*-T/		
<b>Heat Capacity</b> 298.15 K,	$C_p=128.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Evaluation</b> B		
Temperature range 14 to 320 K. A reexamination of 35BER/MAT.			$T(\text{glass})=175 \text{ K.}$		
<b>Entropy</b> 298.15 K,	$S=128.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$				
<b>Molecular Weight</b> 68.1182					
<b>Wiswesser Line Notation</b> /*Y1&U3*-C/					
<b>Evaluation</b> A		$T(\text{glass})=199 \text{ K.}$			
$(C_5H_8)_n$ (liq)		76LEB/RAB2	$C_5H_8Br_4$ (c)		59WES
Polypentenamer			2,2-Bis(bromomethyl)-1,3-dibromopropane; Pentaerythrityl tetrabromide		
<b>Heat Capacity</b> 298.15 K,	$C_p=132.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K,	$C_p=213.80 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 14 to 322 K.			Based on data 10 to 350 K, to be reported elsewhere.		
<b>Entropy</b> 298.15 K,	$S=149.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Entropy</b> 298.15 K,	$S=291.12 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Phase Changes</b>			<b>Molecular Weight</b> 387.7342		
c/liq 293 K,	$\Delta H=8080 \text{ J} \cdot \text{mol}^{-1}$		<b>Wiswesser Line Notation</b> E1X1E1E1E		
	$\Delta S=27.58 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Evaluation</b> B		
<b>Molecular Weight</b> 68.1182					
<b>Wiswesser Line Notation</b> /*YU4*/					
<b>Evaluation</b> A		$T(\text{glass})=173.5 \text{ K.}$			
$(C_5H_8)_n$ (gls)		77LEB/LIT3	$C_5H_8Br_4$ (c)		62PAY/WES
cis-Polypentenamer			2,2-Bis(bromomethyl)-1,3-dibromopropane; Pentaerythrityl tetrabromide		
<b>Heat Capacity</b> 298.15 K,	$C_p=128.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K,	$C_p=213.80 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 7 to 325 K.			Temperature range 6 to 300 K. Anomalous region, 260 to 290 K.		
<b>Entropy</b> 298.15 K,	$S=140.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Entropy</b> 298.15 K,	$S=291.12 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Molecular Weight</b> 68.1182			<b>Molecular Weight</b> 387.7342		
<b>Wiswesser Line Notation</b> /*YU4*-C/			<b>Wiswesser Line Notation</b> E1X1E1E1E		
<b>Evaluation</b> A		$T(\text{glass})=158 \text{ K.}$ transition from glass to highly elastic phase.	<b>Evaluation</b> A		
$(C_5H_8)_n$ (gls)		77LEB/RAB3	$C_5H_8Cl_2O$ (liq)		65CLE/WON
cis-Polypentenamer			2,2-Bis(bromomethyl)-1,3-dibromopropane; Pentaerythrityl tetrabromide		
<b>Heat Capacity</b> 300 K,	$C_p=130 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K,	$C_p=218.57 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 7 to 330 K. Glassy state. Data given graphically.			Temperature range 250 to 460 K.		
Value estimated from graph.			<b>Entropy</b> 298.15 K,	$S=297.12 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Entropy</b> 300 K,	$S=152 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		Based on low temperature data of 62PAY/WES.		
Highly elastic state.			<b>Phase Changes</b>		
<b>Phase Changes</b>			c/liq 433.45 K,	$\Delta H=27966 \text{ J} \cdot \text{mol}^{-1}$	
c/liq 232 K,	$\Delta H=5200 \text{ J} \cdot \text{mol}^{-1}$			$\Delta S=64.52 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
	$\Delta S=22.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Molecular Weight</b> 387.7342		
<b>Molecular Weight</b> 68.1182			<b>Wiswesser Line Notation</b> E1X1E1E1E		
<b>Wiswesser Line Notation</b> /*YU4*-C/			<b>Evaluation</b> A		
<b>Evaluation</b> B		$T(\text{glass})=156 \text{ K.}$			
$(C_5H_8)_n$ (gls)		62DAI/EVA2	$(C_5H_8)_n$ (c)		62DAI/EVA2
3,3-Bis-(chloromethyl)oxacyclobutane			3,3-Bis-(chloromethyl)oxacyclobutane		
<b>Heat Capacity</b> 300 K,	$C_p=218.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 300 K,	$C_p=218.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 20 to 310 K.			Temperature range 20 to 310 K.		
<b>Entropy</b> 300 K,	$S=274.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Entropy</b> 300 K,	$S=274.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Phase Changes</b>			c/liq 292.16 K,	$\Delta H=16944 \text{ J} \cdot \text{mol}^{-1}$	
c/liq				$\Delta S=58.00 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
			Premelting occurs above 250 K.		
<b>Molecular Weight</b> 155.0236			<b>Molecular Weight</b> 155.0236		
<b>Wiswesser Line Notation</b> T4OT1 C1G C1G			<b>Wiswesser Line Notation</b> T4OT1 C1G C1G		
<b>Evaluation</b> A					
$(C_5H_8)_n$ (c)		62DAI/EVA2	$(C_5H_8)_n$ (c)		
3,3-Bis-(chloromethyl)polyoxacyclobutane; Penton			3,3-Bis-(chloromethyl)polyoxacyclobutane; Penton		
<b>Heat Capacity</b> 300 K,	$C_p=179.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 300 K,	$C_p=179.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 20 to 310 K.			Temperature range 20 to 310 K.		
<b>Entropy</b> 300 K,	$S=191.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Entropy</b> 300 K,	$S=191.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Molecular Weight</b> 155.0236			<b>Molecular Weight</b> 155.0236		
<b>Wiswesser Line Notation</b> /*T4OT1 C1G C1G*/			<b>Wiswesser Line Notation</b> /*T4OT1 C1G C1G*/		
<b>Evaluation</b> A					

$C_5H_8Cl_2O_2$ (liq)		1881REI	$C_5H_8I_4$ (c)		59WE
Ethyl 2,3-dichloropropionate; Ethyl $\alpha, \beta$ - dichloropropionate			2,2-Bis(iodomethyl)-1,3-diiodopropane; Pentaerythrityl tetraiodide		
<b>Heat Capacity</b> 298 K, $C_p = 248.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			<b>Heat Capacity</b> 298.15 K, $C_p = 207.69 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
Temperature range 290 to 465 K.			Based on data 10 to 350 K, to be reported elsewhere.		
<b>Molecular Weight</b> 171.0230			<b>Molecular Weight</b> 575.7362		
Wiswesser Line Notation G1YGVO2			Wiswesser Line Notation IIXIIIIII		
<b>Evaluation</b> D			<b>Evaluation</b> B		
$C_5H_8Cl_4$ (c)		59WES	$C_5H_8I_4$ (c)		62PAY/WF
2,2-Bis(chloromethyl)-1,3-dichloropropane; Pentaerythrityl tetrachloride			2,2-Bis(iodomethyl)-1,3-diiodopropane; Pentaerythrityl tetraiodide		
<b>Heat Capacity</b> 298.15 K, $C_p = 198.49 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			<b>Heat Capacity</b> 298.15 K, $C_p = 207.70 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
Based on data 10 to 350 K, to be reported elsewhere.			Temperature range 6 to 300 K.		
<b>Entropy</b> 298.15 K, $S = 257.48 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			<b>Entropy</b> 298.15 K, $S = 316.73 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
<b>Molecular Weight</b> 209.9302			<b>Molecular Weight</b> 575.7362		
Wiswesser Line Notation G1X1G1G1G			Wiswesser Line Notation IIXIIIIII		
<b>Evaluation</b> B			<b>Evaluation</b> A		
$C_5H_8Cl_4$ (c)		62PAY/WES	$C_5H_8I_4$ (c)		65CLE/WO
2,2-Bis(chloromethyl)-1,3-dichloropropane; Pentaerythrityl tetrachloride			2,2-Bis(iodomethyl)-1,3-diiodopropane; Pentaerythrityl tetraiodide		
<b>Heat Capacity</b> 298.15 K, $C_p = 198.49 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			<b>Heat Capacity</b> 298.15 K, $C_p = 209.62 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
Temperature range 6 to 300 K. Anomalous region, 220 to 240 K.			Temperature range 260 to 420 K.		
<b>Entropy</b> 298.15 K, $S = 257.48 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			<b>Entropy</b> 298.15 K, $S = 316.94 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
<b>Molecular Weight</b> 209.9302			Based on low temperature data of 62PAY/WES		
Wiswesser Line Notation G1X1G1G1G			<b>Molecular Weight</b> 575.7362		
<b>Evaluation</b> A			Wiswesser Line Notation IIXIIIIII		
 			<b>Evaluation</b> A		
$C_5H_8Cl_4$ (c,II)		65CLE/WON	$C_5H_8N_2$ (c)		92JIM/RC
2,2-Bis(chloromethyl)-1,3-dichloropropane;		Pentaerythrityl			
tetrachloride			<b>Heat Capacity</b> 298.15 K, $C_p = 147.08 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
<b>Heat Capacity</b> 298.15 K, $C_p = 186.94 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			One temperature.		
Temperature range 290 to 420 K.			<b>Molecular Weight</b> 96.1316		
<b>Entropy</b> 298.15 K, $S = 240.62 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			Wiswesser Line Notation T5N CMJ B2		
Based on low temperature data of 62PAY/WES.			<b>Evaluation</b> A		
<b>Phase Changes</b>					
c,II/c,I 368.23 K, $\Delta H = 22259 \text{ J} \cdot \text{mol}^{-1}$					
$\Delta S = 60.45 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$					
<b>Molecular Weight</b> 209.9302					
Wiswesser Line Notation G1X1G1G1G					
<b>Evaluation</b> A					
$C_5H_8F_4$ (c,I)		59WES	$C_5H_8N_4O_{12}$ (c)		91YIN/L
2,2-Bis(fluoromethyl)-1,3-difluoropropane; Pentaerythrityl tetrafluoride			Pentaerythrityl tetranitrate; PETN		
<b>Heat Capacity</b> 298.15 K, $C_p = 212.55 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			<b>Heat Capacity</b> 298 K, $C_p = 353.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
Based on data 10 to 350 K, to be reported elsewhere.			Temperature range 293 to 333 K. $C_p$ value reported at 298 K is 1.1 J/g. K.		
<b>Entropy</b> 298.15 K, $S = 290.16 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			<b>Molecular Weight</b> 316.1378		
<b>Phase Changes</b>			Wiswesser Line Notation WNO1X1ONW&1ONQ&1ONW		
c,II/c,I 249.40 K, $\Delta H = 13210 \text{ J} \cdot \text{mol}^{-1}$			<b>Evaluation</b> B		
$\Delta S = 53.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			Desensitized PETN.		
Lambda transition, no details.					
<b>Molecular Weight</b> 144.1118					
Wiswesser Line Notation F1X1F1F1F					
<b>Evaluation</b> B					
$C_5H_8F_4$ (c)		64TRO/WES	$C_5H_8O_2$ (liq)		52ERD/J:
2,2-Bis(fluoromethyl)-1,3-difluoropropane; Pentaerythrityl tetrafluoride			Methyl 2-methylpropenoate; Methyl methacrylate		
<b>Heat Capacity</b>			<b>Heat Capacity</b> 293 K, $C_p = 188.49 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
Data on solid and liquid 295 to 385 K, supplementing previous work of Westrum and Payne.			Temperature range 20 to 50°C.		
<b>Phase Changes</b>			<b>Molecular Weight</b> 100.1170		
c,I/liq 367.43 K, $\Delta H = 5142 \text{ J} \cdot \text{mol}^{-1}$			Wiswesser Line Notation IUY1&VO1		
$\Delta S = 13.99 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			<b>Evaluation</b> C		
<b>Molecular Weight</b> 144.1118					
Wiswesser Line Notation F1X1F1F1F					
<b>Evaluation</b> B					
$C_5H_8F_4$ (c)		58SOC/TI	$C_5H_8O_2$ (c)		
2,2-Bis(fluoromethyl)-1,3-difluoropropane; Pentaerythrityl tetrafluoride			Methyl 2-methylpropenoate; Methyl methacrylate		
<b>Heat Capacity</b>			<b>Heat Capacity</b> 210 K, $C_p = 150.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
Data on solid and liquid 295 to 385 K, supplementing previous work of Westrum and Payne.			Temperature range 60 to 210 K.		
<b>Phase Changes</b>			<b>Molecular Weight</b> 100.1170		
c,I/liq 367.43 K, $\Delta H = 5142 \text{ J} \cdot \text{mol}^{-1}$			Wiswesser Line Notation IUY1&VO1		
$\Delta S = 13.99 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			<b>Evaluation</b> B		
<b>Molecular Weight</b> 144.1118					
Wiswesser Line Notation F1X1F1F1F					
<b>Evaluation</b> B					

$C_5H_8O_2$ (liq)		62MEL	$C_5H_8O_2$ (liq)		86ZHA/BEN
Methyl 2-methylpropenoate; Methyl methacrylate			Methyl 2-methylpropenoate; Methyl methacrylate		
<b>Heat Capacity</b>	298.15 K,	$C_p=210.55 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p=191.09 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 60 to 300 K.			One temperature.		
<b>Phase Changes</b>			<b>Molecular Weight</b>	100.1170	
c/liq	225 K,	$\Delta S=54.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Wiswesser Line Notation</b>	IUY1&VO1	
<b>Molecular Weight</b>	100.1170		<b>Evaluation</b>	A	
<b>Wiswesser Line Notation</b>	IUY1&VO1				
<b>Evaluation</b>	B				
$C_5H_8O_2$ (liq)		71LEB/RAB	$C_5H_8O_2$ (liq)		1881REI
Methyl 2-methylpropenoate; Methyl methacrylate			2-Propenyl ethanoate; Allyl acetate		
<b>Heat Capacity</b>	300 K,	$C_p=192.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298 K,	$C_p=184.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 60 to 300 K.			Temperature range 292 to 382 K.		
<b>Entropy</b>	300 K,	$S=266.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b>	100.1170	
<b>Phase Changes</b>			<b>Wiswesser Line Notation</b>	IVO2U1	
c/liq	225.59 K,	$\Delta H=14435 \text{ J} \cdot \text{mol}^{-1}$	<b>Evaluation</b>	D	
		$\Delta S=64.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
<b>Molecular Weight</b>	100.1170				
<b>Wiswesser Line Notation</b>	IUY1&VO1				
<b>Evaluation</b>	B				
$C_5H_8O_2$ (liq)		84VAS/PET	$C_5H_8O_2$ (liq)		69MEL/MER
Methyl 2-methylpropenoate; Methyl methacrylate			Acetylacetone, enol form		
<b>Heat Capacity</b>	300 K,	$C_p=192.42 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p=208.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 60 to 300 K.			Temperature range 80 to 300 K. $C_{\text{sat}}(\text{liq})=0.8978+3.964 \times 10^{-3} T \text{ J} \cdot \text{K}^{-1} \cdot \text{g}^{-1}$ (260 to 300 K); $C_{\text{sat}}(298.15 \text{ K})$ given as 2.080 $\text{J} \cdot \text{K}^{-1} \cdot \text{g}^{-1}$ .		
<b>Entropy</b>	300 K,	$S=266.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Entropy</b>	298.15 K,	$S=261.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Phase Changes</b>			Extrapolated below 90 K. $S(298.15 \text{ K})$ given as 2.611 $\text{J} \cdot \text{K}^{-1} \cdot \text{g}^{-1}$ .		
c/liq	225.59 K		<b>Phase Changes</b>		
<b>Molecular Weight</b>	100.1170		c/liq	254.8 K,	$\Delta H=14497 \text{ J} \cdot \text{mol}^{-1}$
<b>Wiswesser Line Notation</b>	IUY1&VO1				$\Delta S=56.90 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Evaluation</b>	B		<b>Molecular Weight</b>	100.1170	
			<b>Wiswesser Line Notation</b>	QY1&UV1	
			<b>Evaluation</b>	A	
			$(C_p)_B(S) C_p(\text{solid})=0.4257 + 3.674 \times 10^{-3} T \text{ J} \cdot \text{K}^{-1} \cdot \text{g}^{-1}$ (90 to 200 K).		
$C_5H_8O_2$ (liq)		85KAR/ABD	$C_5H_8O_2$ (liq)		81EVS/LEB
Methyl 2-methylpropenoate; Methyl methacrylate			$\delta$ -Valerolactone		
<b>Heat Capacity</b>	298.15 K,	$C_p=215.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p=171.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 225 to 350 K. Equation only. $C_p (\text{J} \cdot \text{kg}^{-1} \cdot \text{K}^{-1})=114.1+6.8299 T$ . $C_p$ data calculated from equation.			Temperature range 5 to 340 K.		
<b>Phase Changes</b>			<b>Entropy</b>	298.15 K,	$S=219.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c/liq	225.6 K		<b>Phase Changes</b>		
<b>Molecular Weight</b>	100.1170		c,IV/c,III	118.1 K,	$\Delta H=457 \text{ J} \cdot \text{mol}^{-1}$
<b>Wiswesser Line Notation</b>	IUY1&VO1				$\Delta S=3.88 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Evaluation</b>	B		c,III/c,II	122-155 K,	$\Delta H=310 \text{ J} \cdot \text{mol}^{-1}$
					$\Delta S=2.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
			c,II/c,I	180-225 K,	$\Delta H=205 \text{ J} \cdot \text{mol}^{-1}$
					$\Delta S=0.90 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
			c,I/liq	262.82 K,	$\Delta H=10530 \text{ J} \cdot \text{mol}^{-1}$
					$\Delta S=39.46 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
$C_5H_8O_2$ (liq)		85KAR/ABD2	<b>Molecular Weight</b>	100.1170	
Methyl 2-methylpropenoate; Methyl methacrylate			<b>Wiswesser Line Notation</b>	T60VTJ	
<b>Phase Changes</b>			<b>Evaluation</b>	A	
c/liq	225.5 K,	$\Delta H=13451 \text{ J} \cdot \text{mol}^{-1}$			
		$\Delta S=59.65 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
<b>Molecular Weight</b>	100.1170				
<b>Wiswesser Line Notation</b>	IUY1&VO1				
<b>Evaluation</b>	A				
$C_5H_8O_2$ (liq)		85KAR/SAI	$C_5H_8O_2$ (liq)		82YEV/LEB
Methyl 2-methylpropenoate; Methyl methacrylate			$\delta$ -Valerolactone		
<b>Heat Capacity</b>	298.15 K,	$C_p=215.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p=171.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 90 to 350 K. $C_p(c)=280.01+4.967 \text{ J/kg} \cdot \text{K}$ (103 to 212 K). $C_p(\text{liq})=114.12+6.837 \text{ J/kg} \cdot \text{K}$ (225.6 to 350 K). $C_p$ data calculated from equation.			Temperature range 5 to 340 K.		
<b>Phase Changes</b>			<b>Entropy</b>	298.15 K,	$S=219.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c/liq	225.6 K		<b>Phase Changes</b>		
<b>Molecular Weight</b>	100.1170		c,IV/c,III	118 K,	$\Delta H=457 \text{ J} \cdot \text{mol}^{-1}$
<b>Wiswesser Line Notation</b>	IUY1&VO1				$\Delta S=3.88 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Evaluation</b>	B		c,III/c,II	122-155 K,	$\Delta H=310 \text{ J} \cdot \text{mol}^{-1}$
					$\Delta S=2.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
			c,II/c,I	180-225 K,	$\Delta H=205 \text{ J} \cdot \text{mol}^{-1}$
					$\Delta S=0.90 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
			c,I/liq	262.82 K,	$\Delta H=10530 \text{ J} \cdot \text{mol}^{-1}$
					$\Delta S=39.46 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	100.1170		<b>Molecular Weight</b>	100.1170	
<b>Wiswesser Line Notation</b>	T60VTJ		<b>Wiswesser Line Notation</b>	T60VTJ	
<b>Evaluation</b>	A		<b>Evaluation</b>	A	

$(C_5H_8O_2)_n$ (liq) $\delta$ -Valerolactone		83LEB/YEV	$(C_5H_8O_2)_n$ (c) Poly- $\delta$ -valerolactone		81EVS/LEB
<b>Heat Capacity</b> 298.15 K, Temperature range 13.8 to 340 K.	$C_p = 171.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K, Temperature range 5 to 350 K.	$C_p = 136.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Entropy</b> 298.15 K, <b>Phase Changes</b>	$S = 219.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Entropy</b> 298.15 K, <b>Phase Changes</b>	$S = 153.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
c,IV/c,III 118.1 K,	$\Delta H = 457 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 3.88 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		c/liq 331 K,	$\Delta H = 18200 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 54.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
c,III/c,II 122-155 K,	$\Delta H = 310 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 2.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Molecular Weight</b> 100.1170 <b>Wiswesser Line Notation</b> /*OV4*/ <b>Evaluation</b> A		
c,II/c,I 180-225 K,	$\Delta H = 205 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 0.90 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$				
c,I/liq 262.82 K,	$\Delta H = 10530 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 39.46 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$				
<b>Molecular Weight</b> 100.1170 <b>Wiswesser Line Notation</b> T6OVTJ <b>Evaluation</b> A					
$(C_5H_8O_2)_n$ (c) Poly(methyl methacrylate); PMMA		58SOC/TRA	$(C_5H_8O_2)_n$ (c) Poly- $\delta$ -valerolactone		82YEV/LEI
<b>Heat Capacity</b> 260 K, Temperature range 60 to 260 K. Values per monomer unit.	$C_p = 111.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298 K, Temperature range 13.8 to 340 K.	$C_p = 136.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Molecular Weight</b> 100.1170 <b>Wiswesser Line Notation</b> /*1X*1&VO1/ <b>Evaluation</b> B			<b>Entropy</b> 298 K, <b>Phase Changes</b>	$S = 153.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
			c/liq 331 K,	$\Delta H = 18200 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 54.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
$(C_5H_8O_2)_n$ (c) Poly(methyl methacrylate); PMMA		62MEL	<b>Molecular Weight</b> 100.1170 <b>Wiswesser Line Notation</b> /*OV4*/ <b>Evaluation</b> A		
<b>Heat Capacity</b> 298.15 K, Temperature range 16 to 300 K. $C_p(c) = 0.0437 + 0.001187 - 1.25 \times 10^{-6}T^2 \text{ cal} \cdot \text{deg}^{-1} \cdot \text{g}^{-1}$ (200 to 300 K).	$C_p = 130.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$				
<b>Entropy</b> 298.15 K, <b>Molecular Weight</b> 100.1170 <b>Wiswesser Line Notation</b> /*1X*1&VO1/ <b>Evaluation</b> B	$S = 157.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$				
$(C_5H_8O_2)_n$ (c) Poly(methyl methacrylate); PMMA		67PAV/RAB	$(C_5H_8O_2)_n$ (gls) Poly- $\delta$ -valerolactone		81EVS/LEI
<b>Heat Capacity</b> 298 K, Temperature range 298 to 463 K. $C_p = 0.265 + 1.39 \times 10^{-3}T \text{ cal} \cdot \text{g}^{-1} \cdot ^\circ\text{C}$ (20 to 90°C). Value calculated from equation.	$C_p = 125.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K, Temperature range 5 to 331 K.	$C_p = 183.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Molecular Weight</b> 100.1170 <b>Wiswesser Line Notation</b> /*1X*1&VO1/ <b>Evaluation</b> B			<b>Entropy</b> 298.15 K, <b>Molecular Weight</b> 100.1170 <b>Wiswesser Line Notation</b> /*OV4*/ <b>Evaluation</b> A	$S = 204.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
$(C_5H_8O_2)_n$ (c) Poly(methyl methacrylate); PMMA		71LEB/RAB	$(C_5H_8O_2)_n$ (gls) Poly- $\delta$ -valerolactone		82YEV/LEI
<b>Heat Capacity</b> 300 K, Temperature range 60 to 300 K.	$C_p = 131.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K, Temperature range 5 to 331 K.	$C_p = 183.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Entropy</b> 300 K, <b>Molecular Weight</b> 100.1170 <b>Wiswesser Line Notation</b> /*1X*1&VO1/ <b>Evaluation</b> B	$S = 145.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Entropy</b> 298.15 K, <b>Molecular Weight</b> 100.1170 <b>Wiswesser Line Notation</b> 1OV1VO1 <b>Evaluation</b> B	$S = 204.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
$(C_5H_8O_2)_n$ (c) Poly(methylmethacrylate); PMMA		91YIN/LIU	$C_5H_8O_4$ (liq) Malonic acid dimethyl ester		92VER/BE
<b>Heat Capacity</b> 298 K, Temperature range 290 to 375 K. $C_p$ value reported at 298 K is 1.377 J/g. K.	$C_p = 137.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K, One temperature.	$C_p = 210.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Molecular Weight</b> 100.1170 <b>Wiswesser Line Notation</b> /*X*1&VO1/ <b>Evaluation</b> B			<b>Molecular Weight</b> 132.1158 <b>Wiswesser Line Notation</b> QV3VQ <b>Evaluation</b> B		
$(C_5H_8O_2)_n$ (c) Poly(methylmethacrylate); PMMA			$C_5H_8O_4$ (c) Glutaric acid		74CIN/BE
<b>Heat Capacity</b> 298 K, Temperature range 290 to 375 K. $C_p$ value reported at 298 K is 1.377 J/g. K.	$C_p = 137.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Phase Changes</b>		
<b>Molecular Weight</b> 100.1170 <b>Wiswesser Line Notation</b> /*X*1&VO1/ <b>Evaluation</b> B			c,II/c,I 348.5 K,	$\Delta H = 2464 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 7.07 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
			c,I/liq 371.0 K,	$\Delta H = 20899 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 56.32 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	

$C_5H_8O_4$ (c)		88PET/TSY	$C_5H_9N$ (liq)	01KAH
Glutaric acid			Valeronitrile	
<b>Phase Changes</b>			<b>Heat Capacity</b>	
c,II/c,I	338.0 K,	$\Delta H=2400 \text{ J} \cdot \text{mol}^{-1}$	$C_p=180.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
		$\Delta S=7.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Temperature range 294.15 to 403.15 K. Heat capacity is an average value over the temperature range.	
<b>Molecular Weight</b>	132.1158		<b>Molecular Weight</b>	83.1328
<b>Wiswesser Line Notation</b>	QV3VQ		<b>Wiswesser Line Notation</b>	NC4
<b>Evaluation</b>	A		<b>Evaluation</b>	D
$C_5H_8O_4$ (c)		39SAT/SOG	 	
Pyrotartaric acid; 2-Methylsuccinic acid			 	
<b>Heat Capacity</b>	323 K,	$C_p=199.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	$C_5H_9N$ (liq)	67WES/RIB
Temperature range 0 to 100°C. Mean value.			2,2-Dimethylpropionitrile; 2-Cyano-2-methylpropane; tert-Butyl cyanide	
<b>Molecular Weight</b>	132.1158		<b>Heat Capacity</b>	298.15 K,
<b>Wiswesser Line Notation</b>	QVY1&1VQ		Temperature range 5 to 350 K.	$C_p=179.37 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Evaluation</b>	C		<b>Entropy</b>	298.15 K,
 			<b>Phase Changes</b>	
$C_5H_9Cl$ (liq)		93DIK/KAB	c,III/c,II	213 K,
Chlorocyclopentane			$\Delta H=230 \text{ J} \cdot \text{mol}^{-1}$	
<b>Heat Capacity</b>	298.15 K,	$C_p=152.40 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	$\Delta S=1.08 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 6 to 301 K.		$S=238.04 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	$\Delta H=1912 \text{ J} \cdot \text{mol}^{-1}$	
<b>Entropy</b>	298.15 K,		$\Delta S=7.78 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Phase Changes</b>			 	
c,II/c,I	169.35 K,	$\Delta H=7630.6 \text{ J} \cdot \text{mol}^{-1}$	<b>Molecular Weight</b>	83.1328
		$\Delta S=45.06 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Wiswesser Line Notation</b>	NCX1&I&I
c,II/liq	180.0 K,	$\Delta H=637.3 \text{ J} \cdot \text{mol}^{-1}$	<b>Evaluation</b>	A
		$\Delta S=3.54 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	 	
liq/g	298.15 K,	$\Delta H=38790 \text{ J} \cdot \text{mol}^{-1}$	$C_5H_9N$ (liq)	71HAL/BAL
		$\Delta S=130.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	2,2-Dimethylpropionitrile; 2-Cyano-2-methylpropane; tert-Butyl cyanide	
<b>Molecular Weight</b>	104.5791		<b>Heat Capacity</b>	297 K,
<b>Wiswesser Line Notation</b>	L5TJ AG		$C_p=153.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Evaluation</b>	A		One temperature.	
 			<b>Molecular Weight</b>	83.1328
$C_5H_9ClO$ (liq)		1881REI	<b>Wiswesser Line Notation</b>	NCX1&I&I
Pentanoyl chloride; Valeryl chloride			<b>Evaluation</b>	C
<b>Heat Capacity</b>	298 K,	$C_p=187.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	 	
Temperature range 291 to 400 K.			$C_5H_9NO$ (liq)	78MAR/CIO
<b>Molecular Weight</b>	120.5785		1-Methyl-2-pyrrolidone	
<b>Wiswesser Line Notation</b>	GV4		<b>Heat Capacity</b>	298 K,
<b>Evaluation</b>	D		$C_p=307.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
 			Temperature range 298 to 461 K.	
$C_5H_9ClO_2$ (liq)		1881REI	<b>Molecular Weight</b>	99.1322
Ethyl 2-chloropropanoate; Ethyl $\alpha$ -chloropropionate			<b>Wiswesser Line Notation</b>	T5NVJ A1
<b>Heat Capacity</b>	298 K,	$C_p=220.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Evaluation</b>	D
Temperature range 291 to 431 K.			 	
<b>Molecular Weight</b>	136.5779		$C_5H_9NO$ (liq)	90STE/CHI
<b>Wiswesser Line Notation</b>	GY1&VO2		1-Methyl-2-pyrrolidone	
<b>Evaluation</b>	D		<b>Heat Capacity</b>	298.15 K,
 			$C_p=412.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
$C_5H_9LiO_2$ (c)		86FRA/NGE	One temperature.	
Lithium n-pentanoate			<b>Molecular Weight</b>	99.1322
<b>Heat Capacity</b>	298.15 K,	$C_p=224.07 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Wiswesser Line Notation</b>	T5NVJ A1
Temperature range 5 to 350 K.		$S=198.55 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Evaluation</b>	B
<b>Entropy</b>	298.15 K,		 	
<b>Phase Changes</b>			$C_5H_9NO$ (c)	59KOL/PAU
c,III/c,II	209.3 K,	$\Delta H=665 \text{ J} \cdot \text{mol}^{-1}$	$\alpha$ -Piperidone	
		$\Delta S=3.24 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	290 K,
c,II/c,I	319.06 K,	$\Delta H=2745 \text{ J} \cdot \text{mol}^{-1}$	Temperature range 60 to 350 K.	$C_p=189.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
		$\Delta S=16.13 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Entropy</b>	298.15 K,
<b>Molecular Weight</b>	108.0659		<b>Phase Changes</b>	
<b>Wiswesser Line Notation</b>	OV4 .LI		c/liq	311.85 K,
<b>Evaluation</b>	A		$\Delta H=10493 \text{ J} \cdot \text{mol}^{-1}$	
			$\Delta S=33.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
 			<b>Molecular Weight</b>	99.1299
			<b>Wiswesser Line Notation</b>	T6MVTJ
			<b>Evaluation</b>	B

<b>C<sub>5</sub>H<sub>9</sub>NO</b>	(c)	62KOL/PAU	<b>C<sub>5</sub>H<sub>9</sub>NO<sub>2</sub></b>	(c)	75SPL/WA
$\alpha$ -Piperidone			Proline(L); Pyrrolidine-2-carboxylic acid(L)		
<b>Heat Capacity</b>	295.00 K, Temperature range 60 to 350 K.	$C_p = 208.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Icat Capacity</b>	298.15 K,	$C_p = 150.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Entropy</b>	298.15 K,	$S = 165.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	One temperature.		
<b>Phase Changes</b>			<b>Molecular Weight</b>	115.1316	
c/liq	311.85 K,	$\Delta H = 10502 \text{ J} \cdot \text{mol}^{-1}$	<b>Wiswesser Line Notation</b>	T5MTJ BVQ -L	
		$\Delta S = 33.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Evaluation</b>	B	
<b>Molecular Weight</b>	99.1299				
<b>Wiswesser Line Notation</b>	T6MVTJ				
<b>Evaluation</b>	B				
<b>(C<sub>5</sub>H<sub>9</sub>NO)<sub>n</sub></b>	(c)	91ROL	<b>C<sub>5</sub>H<sub>9</sub>NO<sub>4</sub></b>	(c)	75SAK/SE
Poly-L-valine			Glutamic acid		
<b>Heat Capacity</b>	300 K, Temperature range 220 to 390 K.	$C_p = 144.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298 K,	$C_p = 175.08 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
			One temperature. $C_p$ given as 1.19 J. g <sup>-1</sup> . K <sup>-1</sup> .		
<b>Molecular Weight</b>	99.1241		<b>Molecular Weight</b>	147.1304	
<b>Wiswesser Line Notation</b>	/*VYM*&YI&I/-L		<b>Wiswesser Line Notation</b>	QVYZ2VQ	
<b>Evaluation</b>	B		<b>Evaluation</b>	B	$C_p$ same for D and L forms.
<b>(C<sub>5</sub>H<sub>9</sub>NO)<sub>n</sub></b>	(c)	91ROL/WUN			
Poly-L-valine					
<b>Heat Capacity</b>	300 K, Temperature range 230 to 390 K.	$C_p = 144.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>C<sub>5</sub>H<sub>9</sub>NO<sub>4</sub></b>	(c)	32HUF/BC
			Glutamic acid(D)		
<b>Molecular Weight</b>	99.1241		<b>Heat Capacity</b>	294.6 K,	$C_p = 172.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b>	/*VYM*&YI&I/-L		Temperature range 91 to 295 K. Value is unsmoothed experimental datum.		
<b>Evaluation</b>	B		<b>Entropy</b>	298.1 K,	$S = 191.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
			Extrapolation below 90 K, 54.39 J. mol <sup>-1</sup> . K <sup>-1</sup> .		
<b>Molecular Weight</b>	99.1241		<b>Molecular Weight</b>	147.1304	
<b>Wiswesser Line Notation</b>	/*VYM*&YI&I/-L		<b>Wiswesser Line Notation</b>	QVYZ2VQ -D	
<b>Evaluation</b>	B		<b>Evaluation</b>	$B(C_p, C(S))$	
<b>(C<sub>5</sub>H<sub>9</sub>NOS)<sub>n</sub></b>	(c)	91ROL	<b>C<sub>2</sub>H<sub>9</sub>NO<sub>4</sub></b>	(c)	63HUT/COL
Poly-L-methionine			Glutamic acid(L)		
<b>Heat Capacity</b>	300 K, Temperature range 220 to 390 K.	$C_p = 176.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p = 175.06 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
			Temperature range 10 to 310 K.		
<b>Molecular Weight</b>	131.1922		<b>Entropy</b>	298.15 K,	$S = 188.20 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b>	/*VY2S1&M*/ -L		<b>Molecular Weight</b>	147.1304	
<b>Evaluation</b>	B		<b>Wiswesser Line Notation</b>	QVYZ2VQ -L	
			<b>Evaluation</b>	A	
<b>(C<sub>5</sub>H<sub>9</sub>NOS)<sub>n</sub></b>	(c)	93ROL/XEN			
Poly-L-methionine					
<b>Heat Capacity</b>	300 K, Temperature range 220 to 390 K.	$C_p = 176.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>C<sub>2</sub>H<sub>9</sub>O<sub>2</sub>Tl</b>	(c)	76MEI/SE
			Thallium pentanoate		
<b>Molecular Weight</b>	131.1922		<b>Phase Changes</b>		
<b>Wiswesser Line Notation</b>	/*VY2S1&M*/ -L		c,II/c,I	354.6 K,	$\Delta H = 2259 \text{ J} \cdot \text{mol}^{-1}$
<b>Evaluation</b>	B				$\Delta S = 6.28 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
			c,I/liq	455 K,	$\Delta H = 5439 \text{ J} \cdot \text{mol}^{-1}$
					$\Delta S = 12.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
					Solid-mesophase. liq/liq 487 K, $\Delta H = 3054 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 6.28 \text{ mol}^{-1} \cdot \text{K}^{-1}$ Mesophase-isotropic.
<b>Molecular Weight</b>	115.1316				
<b>Wiswesser Line Notation</b>	T5MTJ BVQ -L				
<b>Evaluation</b>	C				
<b>C<sub>5</sub>H<sub>9</sub>NO<sub>2</sub></b>	(c)	40HUF/FOX	<b>C<sub>2</sub>H<sub>9</sub>O<sub>2</sub>Tl</b>	(c)	84PER/LJ
Proline(L); Pyrrolidine-2-carboxylic acid(L)			Thallium pentanoate		
<b>Heat Capacity</b>	300.4 K, Temperature range 90 to 298 K. Value is unsmoothed experimental datum.	$C_p = 149.12 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	320 K,	$C_p = 216 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
			Temperature range 320 to 480 K.		
<b>Entropy</b>	298.15 K,	$S = 170.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Phase Changes</b>		
		Extrapolation below 90 K,	c,II/c,I	353.0 K,	$\Delta H = 2104 \text{ J} \cdot \text{mol}^{-1}$
		56.07 J. mol <sup>-1</sup> . K <sup>-1</sup> .			$\Delta S = 5.99 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
			c,I/liq	455.0 K,	$\Delta H = 5704 \text{ J} \cdot \text{mol}^{-1}$
					$\Delta S = 12.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
					Solid to mesophase.
					liq/liq 488.0 K,
					Mesophase to isotropic.
<b>Molecular Weight</b>	115.1316				
<b>Wiswesser Line Notation</b>	T5MTJ BVQ -L				
<b>Evaluation</b>	C				
<b>C<sub>2</sub>H<sub>9</sub>NO<sub>3</sub></b>	(c)	63COL/HUT	<b>C<sub>2</sub>H<sub>9</sub>NO<sub>3</sub></b>	(c)	
Proline(L); Pyrrolidine-2-carboxylic acid(L)			Glutamic acid(L)		
<b>Heat Capacity</b>	298.15 K, Temperature range 11 to 305 K.	$C_p = 151.17 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	320 K,	
			Temperature range 320 to 480 K.		
<b>Entropy</b>	298.15 K,	$S = 164.06 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Phase Changes</b>		
			c,II/c,I	353.0 K,	$\Delta H = 2104 \text{ J} \cdot \text{mol}^{-1}$
					$\Delta S = 5.99 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
			c,I/liq	455.0 K,	$\Delta H = 5704 \text{ J} \cdot \text{mol}^{-1}$
					$\Delta S = 12.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
					Solid to mesophase.
					liq/liq 488.0 K,
					Mesophase to isotropic.
<b>Molecular Weight</b>	115.1316				
<b>Wiswesser Line Notation</b>	T5MTJ BVQ -L				
<b>Evaluation</b>	A				

<b>C<sub>5</sub>H<sub>10</sub></b> (liq)	47TOD/OLI	<b>C<sub>5</sub>H<sub>10</sub></b> (liq)	47TOD/OLI
3-Methyl-1-butene		2-Methyl-1-butene	
<b>Heat Capacity</b>	298.15 K, Temperature range 12 to 300 K.	<b>Heat Capacity</b>	298.15 K, Temperature range 12 to 300 K.
<b>Entropy</b>	298.15 K, $S=253.30 \text{ J} \cdot \text{ mol}^{-1} \cdot \text{ K}^{-1}$	<b>Entropy</b>	298.15 K, $S=253.97 \text{ J} \cdot \text{ mol}^{-1} \cdot \text{ K}^{-1}$
<b>Phase Changes</b>		<b>Phase Changes</b>	
c/liq	104.712 K, $\Delta H=5359.3 \text{ J} \cdot \text{ mol}^{-1}$ $\Delta S=51.18 \text{ J} \cdot \text{ mol}^{-1} \cdot \text{ K}^{-1}$	c/liq	135.62 K, $\Delta H=7910.3 \text{ J} \cdot \text{ mol}^{-1}$ $\Delta S=58.33 \text{ J} \cdot \text{ mol}^{-1} \cdot \text{ K}^{-1}$
<b>Molecular Weight</b>	70.1340	<b>Molecular Weight</b>	70.1340
Wiswesser Line Notation	1Y1&1U1	Wiswesser Line Notation	2Y1&U1
<b>Evaluation</b>	A	<b>Evaluation</b>	A

<b>C<sub>5</sub>H<sub>10</sub></b> (liq)	83CHA/HAL	<b>C<sub>5</sub>H<sub>10</sub></b> (liq)	83CHA/HAL
3-Methyl-1-butene		2-Methyl-1-butene	
<b>Heat Capacity</b>	298.15 K, Temperature range 13 to 298 K.	<b>Heat Capacity</b>	298.15 K, Temperature range 12 to 293 K.
<b>Entropy</b>	298.15 K,	<b>Entropy</b>	298.15 K,
<b>Phase Changes</b>		<b>Phase Changes</b>	
c/liq	104.71 K,	c/liq	135.60 K,
<b>Molecular Weight</b>	70.1340	<b>Molecular Weight</b>	70.1340
<b>Wiswesser Line Notation</b>	1Y1&1U1	<b>Wiswesser Line Notation</b>	2Y1&U1
<b>Evaluation</b>	A	<b>Evaluation</b>	A
A reevaluation of the original measured data from: 47TOD/OLI.		A reevaluation of the original measured data from: 47TOD/OLI.	

A reevaluation of the original measured data from: 47TOD/OLI.

$C_5H_{10}$	(liq)	30PAR/HUF2
2-Methyl-2-butene		
<b>Heat Capacity</b>	293.9 K,	$C_p = 146.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range	93 to 294 K.	Value is unsmoothed experimental datum.
<b>Entropy</b>	298.15 K,	$S = 248.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Extrapolation below	90 K, 13.12 cal. $\text{mol}^{-1} \cdot \text{K}^{-1}$ .	
<b>Phase Changes</b>		
c/liq	138.9 K,	$\Delta H = 7435 \text{ J} \cdot \text{mol}^{-1}$
		$\Delta S = 5.35 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	70.1340	
<b>Wiswesser Line Notation</b>	2UY1&1	
<b>Evaluation</b>	B	$(C_p), C(S)$

$C_5H_{10}$ (liq)		47TOD/OLI
2-Methyl-2-butene		
<b>Heat Capacity</b>	298.15 K,	$C_p = 152.80 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range	12 to 300 K.	
<b>Entropy</b>	298.15 K,	$S = 251.04 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Phase Changes</b>		
c/liq	139.42 K,	$\Delta H = 7597.3 \text{ J} \cdot \text{mol}^{-1}$
		$\Delta S = 54.49 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	70.1340	
<b>Wiswesser Line Notation</b>	2UY1&1	
<b>Evaluation</b>	A	

$C_5H_{10}$	(liq)	83CHA/HAL
2-Methyl-2-butene		
<b>Heat Capacity</b>	298.15 K.	$C_p = 152.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range	13 to 301 K.	
<b>Entropy</b>	298.15 K.	$S = 251.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Phase Changes</b>		
c/liq	139.40 K.	$\Delta H = 7579 \text{ J} \cdot \text{mol}^{-1}$
		$\Delta S = 54.37 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	70.1340	
<b>Wiswesser Line Notation</b>	2UY1&1	
<b>Evaluation</b>	A	
A reevaluation of the original measured data from: 47TOD/OLI, 30PAR/		

A reevaluation of the original measured data from: 47TOD/OLI, 30PAR/HUF.

<b>C<sub>5</sub>H<sub>10</sub></b>	(liq)	83CHA/HAL
2-Methyl-1-butene		
<b>Heat Capacity</b>	298.15 K,	$C_p = 157.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range	12 to 293 K.	
<b>Entropy</b>	298.15 K,	$S = 254.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Phase Changes</b>		
c/liq	135.60 K,	$\Delta H = 7911 \text{ J} \cdot \text{mol}^{-1}$
		$\Delta S = 58.34 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	70.1340	
<b>Wiswesser Line Notation</b>	2Y1&U1	
<b>Evaluation</b>	A	
A reevaluation of the original measured data from: 47TOD/OLI.		

**C<sub>5</sub>H<sub>10</sub>** (liq) 1881REI  
 Heat Capacity 298 K,  $C_p = 195.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$   
 Temperature range 290 to 322 K.  
**Molecular Weight** 70.1340  
**Wiswesser Line Notation** 3U2  
**Evaluation** D  
 2-Pentene

**C<sub>5</sub>H<sub>10</sub>** (liq) 30PAR/HUF2  
 2-Pentene  
**Heat Capacity** 289.1 K,  $C_p = 151.13 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$   
 Temperature range 136 to 289 K. Value is unsmoothed experimental  
 datum.  
**Molecular Weight** 70.1340  
**Wiswesser Line Notation** 3U2  
**Evaluation** P

$C_5H_{10}$ (liq)		47TOD/OLI
cis-2-Pentene		
<b>Heat Capacity</b>	298.15 K, Temperature range 12 to 300 K.	$C_p = 151.71 \text{ J} \cdot \text{ mol}^{-1} \cdot \text{ K}^{-1}$
<b>Entropy</b>	298.15 K,	$S = 258.61 \text{ J} \cdot \text{ mol}^{-1} \cdot \text{ K}^{-1}$
<b>Phase Changes</b>		
c/liq	121.80 K,	$\Delta H = 7111.5 \text{ J} \cdot \text{ mol}^{-1}$ $\Delta S = 58.39 \text{ J} \cdot \text{ mol}^{-1} \cdot \text{ K}^{-1}$
<b>Molecular Weight</b>	70.1340	
<b>Wiswesser Line Notation</b>	3U2 -C	
<b>Evaluation</b>	A	

<b>C<sub>5</sub>H<sub>10</sub></b>	(liq)	83CHA/HAL
cis-2-Pentene		
<b>Heat Capacity</b>	298.15 K, Temperature range 13 to 295 K.	$C_p = 151.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Entropy</b>	298.15 K,	$S = 258.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Phase Changes</b>		
c/liq	121.78 K,	$\Delta H = 7112 \text{ J} \cdot \text{mol}^{-1}$
		$\Delta S = 58.40 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	70.1340	
<b>Wiswesser Line Notation</b>	3U2 -C	
<b>Evaluation</b>	A	
A reevaluation of the original measured data from: 47TOD/OLI.		

$C_5H_{10}$ (liq) trans-2-Pentene <b>Heat Capacity</b> 298.15 K, Temperature range 12 to 300 K. <b>Entropy</b> 298.15 K, <b>Phase Changes</b> c/liq 132.95 K, <b>Molecular Weight</b> 70.1340 <b>Wiswesser Line Notation</b> 3U2 -T <b>Evaluation</b> A	47TOD/OLI $C_p = 156.98 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ $S = 256.52 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ $\Delta H = 8351 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 62.81 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	$C_5H_{10}$ (liq) 1-Pentene <b>Heat Capacity</b> 298.15 K, Temperature range 10 to 320 K. <b>Entropy</b> 298.15 K, <b>Phase Changes</b> c/liq 108.016 K, c/liq 107.797 K, c/metastable/liq <b>Molecular Weight</b> 70.1340 <b>Wiswesser Line Notation</b> 4U1 <b>Evaluation</b> A	90MES/TO: $C_p = 154.87 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ $S = 262.60 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ $\Delta H = 5937.39 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 54.97 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ $\Delta H = 5881.68 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 54.56 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
$C_5H_{10}$ (liq) trans-2-Pentene <b>Heat Capacity</b> 298.15 K, Temperature range 12 to 302 K. <b>Entropy</b> 298.15 K, <b>Phase Changes</b> c/liq 132.93 K, <b>Molecular Weight</b> 70.1340 <b>Wiswesser Line Notation</b> 3U2 -T <b>Evaluation</b> A	83CHA/HAL $C_p = 157.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ $S = 256.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ $\Delta H = 8352 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 62.83 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	$C_5H_{10}$ (gls) 1-Pentene <b>Phase Changes</b> c/gls 71.7 K <b>Molecular Weight</b> 70.1340 <b>Wiswesser Line Notation</b> 4U1 <b>Evaluation</b> A	90TAK/OC
$C_5H_{10}$ (liq) 1-Pentene <b>Heat Capacity</b> 298.15 K, Temperature range 12 to 300 K. <b>Entropy</b> 298.15 K, <b>Phase Changes</b> c/liq 107.9 K, <b>Molecular Weight</b> 70.1340 <b>Wiswesser Line Notation</b> 4U1 <b>Evaluation</b> A	47TOD/OLI $C_p = 155.31 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ $S = 262.55 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ $\Delta H = 5807 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 53.82 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	A reevaluation of the original measured data from: 47TOD/OLI.	$C_5H_{10}$ (liq) Cyclopentane <b>Heat Capacity</b> 293.7 K, $C_p = 125.90 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ Temperature range 93 to 294 K. Value is unsmoothed experimenter datum. <b>Entropy</b> 298 K, $S = 206.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ <b>Phase Changes</b> c,III/c,II 121.6 K, $\Delta H = 4745 \text{ J} \cdot \text{mol}^{-1}$ c,II/c,I 137.1 K, $\Delta S = 39.02 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ c,I/liq 179.0 K, $\Delta H = 358.2 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 2.61 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ $\Delta H = 604.6 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 3.38 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
$C_5H_{10}$ (liq) 1-Pentene <b>Heat Capacity</b> 294 K, $C_p = 154.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ Temperature range 294 to 378 K. $C_p$ given as 0.526 Btu(lb) <sup>-1</sup> (°R) <sup>-1</sup> at 70°F. <b>Molecular Weight</b> 70.1340 <b>Wiswesser Line Notation</b> 4U1 <b>Evaluation</b> B	49SCH/SAG $C_p = 154.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	$C_5H_{10}$ (liq) Cyclopentane <b>Heat Capacity</b> 294 K, $C_p = 128.83 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ Temperature range 15 to 300 K. <b>Entropy</b> 298.15 K, <b>Phase Changes</b> c,III/c,II 122.39 K, $\Delta H = 4874 \text{ J} \cdot \text{mol}^{-1}$ c,II/c,I 138.07 K, $\Delta S = 39.82 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ c,I/liq 179.69 K, $\Delta H = 346.4 \text{ J} \cdot \text{mol}^{-1}$ liq/g 298.15 K, $\Delta S = 2.51 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ $\Delta H = 602 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 3.35 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ $\Delta H = 29213 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 97.98 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ $P = 41.10 \text{ kPa}$	34JAC/P <sup>A</sup>
$C_5H_{10}$ (liq) 1-Pentene <b>Heat Capacity</b> 298.15 K, Temperature range 12 to 353 K. <b>Entropy</b> 298.15 K, <b>Phase Changes</b> c/liq 107.90 K, <b>Molecular Weight</b> 70.1340 <b>Wiswesser Line Notation</b> 4U1 <b>Evaluation</b> A	83CHA/HAL $C_p = 154 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ $S = 262.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ $\Delta H = 5807 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 53.82 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	A reevaluation of the original measured data from: 47TOD/OLI, 49SCH/SAG.	43AST/F

$C_5H_{10}$ (liq)		46DOU/HUF2	$C_5H_{10}$ (liq)		92RAH/GME
Cyclopentane			Cyclopentane		
<b>Heat Capacity</b>	298.15 K,	$C_p = 126.78 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>		
Temperature range	12 to 300 K.		Temperature range	15 to 300 K. Data given graphically.	
<b>Entropy</b>	298.15 K,	$S = 204.14 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Phase Changes</b>		
<b>Phase Changes</b>			c,II/c,II	121.95 K,	$\Delta H = 5195 \text{ J} \cdot \text{mol}^{-1}$
c,III/c,II	122.39 K,	$\Delta H = 4884.0 \text{ J} \cdot \text{mol}^{-1}$	c,II/c,I	138.22 K,	$\Delta H = 361 \text{ J} \cdot \text{mol}^{-1}$
c,II/c,I	138.09 K,	$\Delta S = 39.91 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	c,I/liq	179.21 K,	$\Delta H = 615 \text{ J} \cdot \text{mol}^{-1}$
c,I/liq	179.71 K,	$\Delta H = 344.43 \text{ J} \cdot \text{mol}^{-1}$	<b>Molecular Weight</b>	70.1340	
		$\Delta S = 2.49 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Wiswesser Line Notation</b>	L5TJ	
		$\Delta H = 608.94 \text{ J} \cdot \text{mol}^{-1}$	<b>Evaluation</b>	A	
		$\Delta S = 3.38 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
<b>Molecular Weight</b>	70.1340				
<b>Wiswesser Line Notation</b>	L5TJ				
<b>Evaluation</b>	A				
$C_5H_{10}$ (liq)		47SZA/MOR	$C_5H_{10}ClNO_4$ (c)		40HUF/ELL
Cyclopentane			Glutamic acid hydrochloride		
<b>Heat Capacity</b>	300 K,	$C_p = 127.44 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	296.8 K,	$C_p = 208.49 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range	14 to 300 K.		Temperature range	85 to 297 K. Value is unsmoothed experimental datum.	
<b>Phase Changes</b>			<b>Entropy</b>	298.1 K,	$S = 248.24 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c,III/c,II	122.36 K,	$\Delta H = 4884.4 \text{ J} \cdot \text{mol}^{-1}$	Extrapolation below 90 K, 76.94 $\text{J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .		
c,II/c,I	138.07 K,	$\Delta S = 39.92 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b>	183.5913	
		$\Delta H = 342.7 \text{ J} \cdot \text{mol}^{-1}$	<b>Wiswesser Line Notation</b>	QVYZ2VQ & GH	
		$\Delta S = 2.48 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Evaluation</b>	A ( $C_p$ ), C(S)	
Temperature from 43AST/FIN.					
c,I/liq	179.69 K,	$\Delta H = 603.8 \text{ J} \cdot \text{mol}^{-1}$			
Temperature from 43AST/FIN.		$\Delta S = 3.36 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
<b>Molecular Weight</b>	70.1340				
<b>Wiswesser Line Notation</b>	L5TJ				
<b>Evaluation</b>	A				
$C_5H_{10}$ (liq)		75JOL/BOI	$C_5H_{10}Cl_2$ (liq)		93HAL
Cyclopentane			1,5-Dichloropentane		
<b>Heat Capacity</b>	298.15 K,	$C_p = 127.28 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p = 213.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
One temperature.			One temperature.		
<b>Molecular Weight</b>	70.1340		<b>Molecular Weight</b>	141.0400	
<b>Wiswesser Line Notation</b>	L5TJ		<b>Wiswesser Line Notation</b>	G5G	
<b>Evaluation</b>	B		<b>Evaluation</b>	B	
$C_5H_{10}$ (liq)		79FOR/DAR	$C_5H_{10}N_2$ (liq)		82DZH/KAR
Cyclopentane			$\beta$ -Dimethylaminopropionitrile		
<b>Heat Capacity</b>	298.15 K,	$C_p = 126.873 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p = 212.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
One temperature.			Temperature range	12 to 300 K.	
<b>Molecular Weight</b>	70.1340		<b>Entropy</b>	298.15 K,	$S = 266.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b>	L5TJ		<b>Molecular Weight</b>	98.1474	
<b>Evaluation</b>	B		<b>Wiswesser Line Notation</b>	NC2N1&1	
			<b>Evaluation</b>	A	
$C_5H_{10}$ (liq)		83SID/SVE	$C_5H_{10}N_2O_2$ (c)		91ABA/DEL
Cyclopentane			2-(Acetylamino)-N-methylethanamide;		
<b>Heat Capacity</b>	293.15 K,	$C_p = 126.17 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	N-Acetylglycine-N'-methylamide		
One temperature.			<b>Heat Capacity</b>	298 K,	$C_p = 177.75 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	70.1340		Data extrapolated to 298 K from values obtained at higher temperatures.		
<b>Wiswesser Line Notation</b>	L5TJ		<b>Molecular Weight</b>	130.1462	
<b>Evaluation</b>	B		<b>Wiswesser Line Notation</b>	1VM1VM1	
			<b>Evaluation</b>	C	
$C_5H_{10}$ (liq)		85TAN	$C_5H_{10}N_2O_2$ (c)		88FER/DEL
Cyclopentane			N-Acetyl-L-alanine amide		
<b>Heat Capacity</b>	298.15 K,	$C_p = 126.74 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Phase Changes</b>		
One temperature.			c/liq	431.0 K,	$\Delta H = 21700 \text{ J} \cdot \text{mol}^{-1}$
<b>Molecular Weight</b>	70.1340				$\Delta S = 50.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b>	L5TJ				
<b>Evaluation</b>	A				

$C_5H_{10}N_2O_3$ (c)		63HUT/COL2	$C_5H_{10}O$ (liq)	68AND/COU
Glutamine(L)			3-Methyl-2-butane; Isopropyl methyl ketone	
<b>Heat Capacity</b>	298.15 K, Temperature range 10 to 310 K.	$C_p = 184.18 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K, $C_p = 179.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Entropy</b>	298.15 K,	$S = 195.06 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Temperature range 10 to 320 K.	
<b>Molecular Weight</b>	146.1456		<b>Entropy</b>	298.15 K, $S = 268.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b>	ZV2YZVQ-L		<b>Phase Changes</b>	
<b>Evaluation</b>	A		c/liq	180.01 K, $\Delta H = 9343 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 51.90 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
$C_5H_{10}N_2O_3$ (c)		89KUL/KOZ	<b>Molecular Weight</b>	86.1334
Alanylglycine			<b>Wiswesser Line Notation</b>	Y1&V1
<b>Heat Capacity</b>	298 K, Temperature range 298 to 348 K.	$C_p = 168.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Evaluation</b>	A
<b>Molecular Weight</b>	146.1456		$C_5H_{10}O$ (liq)	70HAR/HEA
<b>Wiswesser Line Notation</b>	ZY1&VM1VQ		3-Methyl-2-butane; Isopropyl methyl ketone	
<b>Evaluation</b>	C		<b>Heat Capacity</b>	298.15 K, $C_p = 180.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
$C_5H_{10}N_2O_3$ (c)		90BAD/KUL	One temperature.	
$\beta$ -Alanylglycine			<b>Molecular Weight</b>	86.1334
<b>Heat Capacity</b>	298 K, Temperature range 298, 313, 333, 348 K.	$C_p = 168 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Wiswesser Line Notation</b>	Y1&V1
<b>Phase Changes</b>			<b>Evaluation</b>	B
c/liq	507.95 K,	$\Delta H = 56600 \text{ J} \cdot \text{mol}^{-1}$ Melting with decomposition.	$C_5H_{10}O$ (liq)	68AND/COU
<b>Molecular Weight</b>	146.1456		3-Pentanone; Diethyl ketone	
<b>Wiswesser Line Notation</b>	Z2VM1VQ		<b>Heat Capacity</b>	298.15 K, $C_p = 190.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Evaluation</b>	D		<b>Entropy</b>	298.15 K, $S = 266.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
$C_5H_{10}N_2O_3$ (c)		41HUF	<b>Phase Changes</b>	
Alanylglycine(DL)			c,III/c,II	$\Delta H = 110.9 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 0.96 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Heat Capacity</b>	296.4 K, Temperature range 85 to 296 K. Value is unsmoothed experimental datum.	$C_p = 181.79 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	c,II/c,I	$\Delta H = 9.6 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 0.04 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Entropy</b>	298.1 K, Extrapolation below 90 K, 66.27 $\text{J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .	$S = 213.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	c,I/liq	$\Delta H = 11594 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 49.51 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	146.1456		<b>Molecular Weight</b>	86.1334
<b>Wiswesser Line Notation</b>	ZY1&VM1VQ-DL		<b>Wiswesser Line Notation</b>	2V2
<b>Evaluation</b>	A	$(C_p), C(S)$	<b>Evaluation</b>	A
$C_5H_{10}N_2O_4$ (c)		71HAL	$C_5H_{10}O$ (liq)	70HAR/HEA
1,3-Dinitro-1,3-diazacycloheptane			3-Pentanone; Diethyl ketone	
<b>Phase Changes</b>			<b>Heat Capacity</b>	298.15 K, $C_p = 200.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c,II/c,I	373 K, An approximation.	$\Delta H = 23430 \text{ J} \cdot \text{mol}^{-1}$	One temperature.	
c,I/liq	376 K, An approximation.	$\Delta H = 3975 \text{ J} \cdot \text{mol}^{-1}$	<b>Molecular Weight</b>	86.1334
<b>Molecular Weight</b>	190.1584		<b>Wiswesser Line Notation</b>	2V2
<b>Wiswesser Line Notation</b>	T7N CNTJ ANW CNW		<b>Evaluation</b>	B
<b>Evaluation</b>	C		$C_5H_{10}O$ (liq)	79SAL/PE.
$C_5H_{10}O$ (liq)		84BAG/BAE	3-Pentanone; Diethyl ketone	
2-Methyl-3-butene-2-ol			<b>Heat Capacity</b>	298.15 K, $C_p = 190.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Heat Capacity</b>	298.05 K, Temperature range 273 to 343 K. $C_p(\text{liq}) = -0.96211 + 0.017280T - 1.6 \times 10^{-5}T^2 \text{ kJ/kg} \cdot \text{K}$ (273 to 343 K).	$C_p = 240.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	One temperature.	
<b>Molecular Weight</b>	86.1334		<b>Molecular Weight</b>	86.1334
<b>Wiswesser Line Notation</b>	1XQ1U1		<b>Wiswesser Line Notation</b>	2V2
<b>Evaluation</b>	B		<b>Evaluation</b>	B
$C_5H_{10}O$ (liq)		88BAG/GUR	$C_5H_{10}O$ (liq)	84BAG/BA
2 Methyl 3 buten 2 ol			3-Pentanone; Diethyl ketone	
<b>Heat Capacity</b>	298.05 K, Temperature range 270 to 340 K. Unsmoothed experimental datum.	$C_p = 241.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K, $C_p = 195.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	86.1334		Temperature range 273 to 334 K. $C_p(\text{liq}) = -1.8555 + 0.025782T - 4.0 \times 10^{-5}T^2 \text{ kJ/kg} \cdot \text{K}$ (273 to 335 K).	
<b>Wiswesser Line Notation</b>	1XQ1U1		<b>Molecular Weight</b>	86.1334
<b>Evaluation</b>	B		<b>Wiswesser Line Notation</b>	2V2

<b>C<sub>5</sub>H<sub>10</sub>O</b> (liq)		84GRO/BEN	<b>C<sub>5</sub>H<sub>10</sub>O</b> (liq)		79SAL/PEA
3-Pentanone; Diethyl ketone			2-Pentanone; n-Propyl methyl ketone		
<b>Heat Capacity</b> 298.15 K,	$C_p = 190.30 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K,	$C_p = 185.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
One temperature.			One temperature.		
<b>Molecular Weight</b> 86.1334			<b>Molecular Weight</b> 86.1334		
<b>Wiswesser Line Notation</b> 2V2			<b>Wiswesser Line Notation</b> 3V1		
<b>Evaluation</b> B			<b>Evaluation</b> B		
<b>C<sub>5</sub>H<sub>10</sub>O</b> (liq)		88BAG/GUR	<b>C<sub>5</sub>H<sub>10</sub>O</b> (liq)		56PAR/KEN
3-Pentanone; Diethyl ketone			Cyclopentanol		
<b>Heat Capacity</b> 298.15 K,	$C_p = 196.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K,	$C_p = 184.14 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 270 to 340 K. Unsmoothed experimental datum.			Temperature range 80 to 300 K.		
<b>Molecular Weight</b> 86.1334			<b>Entropy</b> 298.1 K,	$S = 206.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Wiswesser Line Notation</b> 2V2			Extrapolation below 80 K, 48.79 J. mol <sup>-1</sup> . K <sup>-1</sup> .		
<b>Evaluation</b> B			<b>Phase Changes</b>		
<b>C<sub>5</sub>H<sub>10</sub>O</b> (liq)		65OET	c.II/c,I	202.8 K,	$\Delta H = 3707 \text{ J} \cdot \text{mol}^{-1}$
2-Pentanone; n-Propyl methyl ketone			c.I/liq	257.4 K,	$\Delta S = 18.28 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Heat Capacity</b> 298.15 K,	$C_p = 184.35 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$				$\Delta H = 1536 \text{ J} \cdot \text{mol}^{-1}$
Temperature range 12 to 330 K.					$\Delta S = 5.97 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Entropy</b> 298.15 K,	$S = 272.42 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Molecular Weight</b> 86.1334		
<b>Phase Changes</b>			<b>Wiswesser Line Notation</b> L5TJ AQ		
c/liq	196.35 K,		<b>Evaluation</b> B		(C <sub>p</sub> ), C(S)
<b>Molecular Weight</b> 86.1334					
<b>Wiswesser Line Notation</b> 3V1					
<b>Evaluation</b> A					
<b>C<sub>5</sub>H<sub>10</sub>O</b> (liq)		68AND/COU	<b>C<sub>5</sub>H<sub>10</sub>O</b> (liq)		76CON/GIN
2-Pentanone; n-Propyl methyl ketone			Cyclopentanol		
<b>Heat Capacity</b> 298.15 K,	$C_p = 184.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298 K,	$C_p = 185.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 10 to 360 K.			One temperature.		
<b>Entropy</b> 298.15 K,	$S = 274.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Molecular Weight</b> 86.1334		
<b>Phase Changes</b>			<b>Wiswesser Line Notation</b> L5TJ AQ		
c.II/c,I	110 K,		<b>Evaluation</b> B		
	$\Delta H = 237.7 \text{ J} \cdot \text{mol}^{-1}$				
	$\Delta S = 2.18 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$				
Apparently a typographic error in $\Delta H$ in paper; given as 137.7 J. mol <sup>-1</sup> .					
c.I/liq	196.31 K,		<b>C<sub>5</sub>H<sub>10</sub>O</b> (liq)		86BEN/DAR
	$\Delta H = 10632 \text{ J} \cdot \text{mol}^{-1}$		Cyclopentanol		
	$\Delta S = 54.16 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K,	$C_p = 181.57 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Molecular Weight</b> 86.1334			One temperature.		
<b>Wiswesser Line Notation</b> 3V1			<b>Molecular Weight</b> 86.1334		
<b>Evaluation</b> A			<b>Wiswesser Line Notation</b> L5TJ AQ		
<b>C<sub>5</sub>H<sub>10</sub>O</b> (liq)		70HAR/HEA	<b>Evaluation</b> B		
2-Pentanone; n-Propyl methyl ketone			<b>C<sub>5</sub>H<sub>10</sub>O</b> (liq)		86BEN/DAR2
<b>Heat Capacity</b> 298.15 K,	$C_p = 184.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		Cyclopentanol		
One temperature.			<b>Heat Capacity</b> 298.15 K,	$C_p = 181.57 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Molecular Weight</b> 86.1334			One temperature.		
<b>Wiswesser Line Notation</b> 3V1			<b>Molecular Weight</b> 86.1334		
<b>Evaluation</b> B			<b>Wiswesser Line Notation</b> L5TJ AQ		
<b>C<sub>5</sub>H<sub>10</sub>O</b> (liq)		75GRO/BEN	<b>Evaluation</b> B		
2-Pentanone; n-Propyl methyl ketone			<b>C<sub>5</sub>H<sub>10</sub>O</b> (liq)		64MOE/THO
<b>Heat Capacity</b> 298.15 K.	$C_p = 185.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		Tetrahydropyran; Oxane		
One temperature.			<b>Heat Capacity</b> 297.62 K,	$C_p = 151.13 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Molecular Weight</b> 86.1334			Temperature range 297 to 327 K.		
<b>Wiswesser Line Notation</b> 3V1			<b>Molecular Weight</b> 86.1334		
<b>Evaluation</b> B			<b>Wiswesser Line Notation</b> T6OTJ		
<b>C<sub>5</sub>H<sub>10</sub>O</b> (liq)			<b>Evaluation</b> B		
2-Pentanone; n-Propyl methyl ketone			<b>C<sub>5</sub>H<sub>10</sub>O</b> (liq)		76CON/GIN
<b>Heat Capacity</b> 298.15 K.	$C_p = 185.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		Tetrahydropyran; Oxane		
One temperature.			<b>Heat Capacity</b> 298 K,	$C_p = 140.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Molecular Weight</b> 86.1334			One temperature.		
<b>Wiswesser Line Notation</b> 3V1			<b>Molecular Weight</b> 86.1334		
<b>Evaluation</b> B			<b>Wiswesser Line Notation</b> T6OTJ		

<b>C<sub>5</sub>H<sub>10</sub>O</b> (liq)		81ING/CAS	<b>C<sub>5</sub>H<sub>10</sub>O</b> (liq)		88WHI/PER
Tetrahydropyran; Oxane			2,2-Dimethylpropanal; Pivalaldehyde; tert-Butylaldehyde		
<b>Heat Capacity</b> 298.15 K,		$C_p = 149.21 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.43 K, $C_p = 192.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
One temperature.			Temperature range 29 to 298 K. Value is unsmoothed experimental datum.		
<b>Molecular Weight</b> 86.1334					
<b>Wiswesser Line Notation</b> T6OTJ			<b>Phase Changes</b>		
<b>Evaluation</b> B			c,III/c,II 158.5 K, $\Delta H = 499 \text{ J} \cdot \text{mol}^{-1}$		
			c,II/c,I 183.9 K, $\Delta S = 3.34 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
<b>C<sub>5</sub>H<sub>10</sub>O</b> (liq)		84ING/GRO	c,I/liq 272.1 K, $\Delta H = 4809 \text{ J} \cdot \text{mol}^{-1}$		
Tetrahydropyran; Oxane			$\Delta S = 26.22 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
<b>Heat Capacity</b> 298.15 K,		$C_p = 149.60 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	$\Delta H = 2520 \text{ J} \cdot \text{mol}^{-1}$		
One temperature.			$\Delta S = 9.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
<b>Molecular Weight</b> 86.1334			<b>Molecular Weight</b> 86.1334		
<b>Wiswesser Line Notation</b> T6OTJ			<b>Wiswesser Line Notation</b> VHX1&I&1		
<b>Evaluation</b> B			<b>Evaluation</b> $C_p(B)$ , transitions (A).		
<b>C<sub>5</sub>H<sub>10</sub>O</b> (liq)		1881REI	<b>C<sub>5</sub>H<sub>10</sub>O<sub>2</sub></b> (liq)		79FUC
Valeraldehyde; n-Pentanal; Valeral			1-Methylethyl ethanoate; Isopropyl acetate		
<b>Heat Capacity</b> 298 K,		$C_p = 171.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K, $C_p = 196.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
Temperature range 290 to 385 K.			One temperature.		
<b>Molecular Weight</b> 86.1334			<b>Molecular Weight</b> 102.1328		
<b>Wiswesser Line Notation</b> VH4			<b>Wiswesser Line Notation</b> 1Y1&OV1		
<b>Evaluation</b> D			<b>Evaluation</b> B		
<b>C<sub>5</sub>H<sub>10</sub>O</b> (liq)		82DYA/VAS	<b>C<sub>5</sub>H<sub>10</sub>O<sub>2</sub></b> (liq)		86JIM/ROM
Valeraldehyde; n-Pentanal; Valeral			Ethyl propionate; Ethyl propanoate		
<b>Entropy</b> 298.15 K,		$S = 273.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K, $C_p = 200.90 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
<b>Molecular Weight</b> 86.1334			One temperature.		
<b>Wiswesser Line Notation</b> VH4			<b>Molecular Weight</b> 102.1328		
<b>Evaluation</b> B			<b>Wiswesser Line Notation</b> 2VO2		
<b>C<sub>5</sub>H<sub>10</sub>O</b> (liq)		83KOR/DYA	<b>Evaluation</b> B		
Valeraldehyde; n-Pentanal; Valeral			<b>C<sub>5</sub>H<sub>10</sub>O<sub>2</sub></b> (liq)		87ZAB/HYN
<b>Heat Capacity</b> 298.15 K,		$C_p = 174.39 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Ethyl propionate; Ethyl propanoate		
Temperature range 10 to 340 K.		$S = 273.59 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.33 K, $C_p = 199.58 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
<b>Entropy</b> 298.15 K,			Temperature range 294 to 349 K. Unsmoothed experimental datum.		
<b>Phase Changes</b>			<b>Molecular Weight</b> 102.1328		
c/liq 191.59 K			<b>Wiswesser Line Notation</b> 2VO2		
<b>Molecular Weight</b> 86.1334			<b>Evaluation</b> B		
<b>Wiswesser Line Notation</b> VH4			<b>C<sub>5</sub>H<sub>10</sub>O<sub>2</sub></b> (liq)		1881RE
<b>Evaluation</b> B			Propyl ethanoate; n-Propyl acetate		
<b>C<sub>5</sub>H<sub>10</sub>O</b> (liq)		84VAS/PET	<b>Heat Capacity</b> 298 K, $C_p = 194.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
Valeraldehyde; n-Pentanal; Valeral			Temperature range 292 to 382 K.		
<b>Heat Capacity</b> 298.15 K,		$C_p = 174.39 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b> 102.1328		
Temperature range 10 to 340 K.		$S = 273.59 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Wiswesser Line Notation</b> 3OV1		
<b>Entropy</b> 298.15 K,			<b>Evaluation</b> D		
<b>Phase Changes</b>			<b>C<sub>5</sub>H<sub>10</sub>O<sub>2</sub></b> (liq)		86JIM/ROM
c/liq 191.59 K			Propyl ethanoate; n-Propyl acetate		
<b>Molecular Weight</b> 86.1334			<b>Heat Capacity</b> 298.15 K, $C_p = 196.07 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
<b>Wiswesser Line Notation</b> VH4			One temperature.		
<b>Evaluation</b> A			<b>Molecular Weight</b> 102.1328		
<b>C<sub>5</sub>H<sub>10</sub>O</b> (liq)		83KOR/DYA	<b>Wiswesser Line Notation</b> 3OV1		
2,2-Dimethylpropanal; Pivalaldehyde; tert-Butylaldehyde			<b>Evaluation</b> B		
<b>Heat Capacity</b> 298.15 K, $C_p = 185.58 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			<b>C<sub>5</sub>H<sub>10</sub>O<sub>2</sub></b> (liq)		79FUC
Temperature range 50 to 350 K.		$S = 262.05 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Methyl butanoate; Methyl butyrate		
<b>Entropy</b> 298.15 K,			<b>Heat Capacity</b> 298.15 K, $C_p = 200.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
<b>Phase Changes</b>		K Second order transitions observed at 62.5, 69.0, 110.8, 162.5, and 183.3 K.	One temperature.		
c,I/liq 274.15			<b>Molecular Weight</b> 102.1328		
<b>Molecular Weight</b> 86.1334			<b>Wiswesser Line Notation</b> 3VO1		
<b>Wiswesser Line Notation</b> VHX1&I&1			<b>Evaluation</b> B		
<b>Evaluation</b> C					

$C_5H_{10}O_2$ (liq)		88PIN/BRA	$C_5H_{10}O_2$ (c)		71KON/WAD
Methyl butanoate; Methyl butyrate			2,2-Dimethylpropanoic acid; Pivalic acid		
<b>Heat Capacity</b> 298.15 K, One temperature.		$C_p = 198.16 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K, One temperature.	$C_p = 178 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Molecular Weight</b> 102.1328			<b>Molecular Weight</b> 102.1328		
<b>Wiswesser Line Notation</b> 3VO1			<b>Wiswesser Line Notation</b> QVX1&1&1		
Evaluation B			Evaluation B		
$C_5H_{10}O_2$ (liq)		86JIM/ROM	$C_5H_{10}O_2$ (c)		90SIN/GLI
<i>n</i> -Butyl methanoate			2,2-Dimethylpropanoic acid; Pivalic acid		
<b>Heat Capacity</b> 298.15 K, One temperature.		$C_p = 200.25 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K, Temperature range 295 to 319 K. $C_p(c) = 13.38 + 0.1092T \text{ cal} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ (295 to 300 K). $C_p$ value calculated from equation. $C_p(\text{liq}) = 16.19 + 0.1042T \text{ cal} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .	$C_p = 192.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Molecular Weight</b> 102.1328			<b>Phase Changes</b>		
<b>Wiswesser Line Notation</b> 4OVH			$c,II/c,I$ 278.3 K, $\Delta H = 8184 \text{ J} \cdot \text{mol}^{-1}$		
Evaluation B			$c,I/liq$ 309.085 K, $\Delta H = 2268 \text{ J} \cdot \text{mol}^{-1}$		
$C_5H_{10}O_2$ (liq)		1881REI	<b>Molecular Weight</b> 102.1328		
3-Methylbutanoic acid; Isovaleric acid			<b>Wiswesser Line Notation</b> QVX1&1&1		
<b>Heat Capacity</b> 298 K, Temperature range 290 to 470 K.		$C_p = 197.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Evaluation B		
<b>Molecular Weight</b> 102.1328			Suspected error by authors for $C_p(c)$ equation; they report $C_p(c) = 13.38 + 0.1902T \text{ cal/mol} \cdot \text{K}$ .		
<b>Wiswesser Line Notation</b> QV1Y1&1					
Evaluation D					
$C_5H_{10}O_2$ (liq)		65MCD/KIL	$C_5H_{10}O_2$ (liq)		35MIL
Pentanoic acid; n-Valeric acid			Tetrahydrofurfuryl alcohol		
<b>Heat Capacity</b> 298.15 K, Temperature range 15 to 300 K.		$C_p = 210.33 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> Temperature range 100 to 298 K. Data in thesis only.		
<b>Entropy</b> 298.15 K,		$S = 259.83 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Entropy</b> 298.15 K, $S = 219.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
<b>Phase Changes</b>		$\Delta H = 14161.6 \text{ J} \cdot \text{mol}^{-1}$	Extrapolation below 90 K, 45.23 $\text{J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .		
$c/liq$	239.49 K,	$\Delta S = 59.13 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b> 102.1328		
<b>Molecular Weight</b> 102.1328			<b>Wiswesser Line Notation</b> T5OTJ B1Q		
<b>Wiswesser Line Notation</b> QV4			Evaluation C		
Evaluation A					
$C_5H_{10}O_2$ (liq)		71KON/WAD	$C_5H_{10}O_2$ (liq)		76BON/CER
Pentanoic acid; n-Valeric acid			Tetrahydrofurfuryl alcohol		
<b>Heat Capacity</b> 298.15 K, One temperature.		$C_p = 197 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K, $C_p = 190 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
<b>Molecular Weight</b> 102.1328			One temperature.		
<b>Wiswesser Line Notation</b> QV4			<b>Molecular Weight</b> 102.1328		
Evaluation B			<b>Wiswesser Line Notation</b> T5OTJ B1Q		
$C_5H_{10}O_2$ (c)		70BRE/BRE	Evaluation B		
2,2-Dimethylpropanoic acid; Pivalic acid			$C_5H_{10}O_2$ (liq)		76CON/GIN
<b>Phase Changes</b>			1,3-Dioxepane		
$c,II/c,I$ $\Delta H = 8759.92 \text{ J} \cdot \text{mol}^{-1}$			<b>Heat Capacity</b> 298 K, $C_p = 167 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
$c,I/liq$ $\Delta H = 2101.8 \text{ J} \cdot \text{mol}^{-1}$			One temperature.		
<b>Molecular Weight</b> 102.1328			<b>Molecular Weight</b> 102.1328		
<b>Wiswesser Line Notation</b> QVX1&1&1			<b>Wiswesser Line Notation</b> T7O COTJ		
Evaluation C			Evaluation C		
$C_5H_{10}O_2$ (c)		70MUR/BRE	$C_5H_{10}O_2$ (liq)		36KUR/VOS
2,2-Dimethylpropanoic acid; Pivalic acid			2-Methylpropyl methanoate; Isobutyl formate		
<b>Phase Changes</b>			<b>Heat Capacity</b> 290 K, $C_p = 214.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
$c,II/c,I$ 281 K, $\Delta H = 8760 \text{ J} \cdot \text{mol}^{-1}$			One temperature.		
		$\Delta S = 31.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b> 102.1328		
$c,I/liq$ 307 K, $\Delta H = 2479 \text{ J} \cdot \text{mol}^{-1}$			<b>Wiswesser Line Notation</b> VHO1Y1&1		
		$\Delta S = 7.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Evaluation D		
<b>Molecular Weight</b> 102.1328					
<b>Wiswesser Line Notation</b> QVX1&1&1					
Evaluation A					
$C_5H_{10}O_3$ (liq)		83SAN/CIO	$C_5H_{10}O_3$ (liq)		
2-Methoxyethanol acetate			2-Methoxyethanol acetate		
<b>Heat Capacity</b> 298.15 K, $C_p = 310 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			Temperature range 273.15 to 323.15 K. $C_p(kJ \cdot kg^{-1} \cdot K^{-1}) = 0.0244607 - 4.667$		
			<b>Molecular Weight</b> 118.1322		
			<b>Wiswesser Line Notation</b> IVO2O1		
			Evaluation D		

$C_5H_{10}O_3$ (liq)		1881REI	$C_5H_{10}O_5$ (c)		81KAW/KUS
Diethyl carbonate			Arabinose(L)		
<b>Heat Capacity</b>	298 K, Temperature range 297 to 416 K.	$C_p = 182.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	303 K, Temperature range 300 to 315 K.	$C_p = 184 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	118.1322		<b>Molecular Weight</b>	150.1310	
<b>Wiswesser Line Notation</b>	2OVO2		<b>Wiswesser Line Notation</b>	T6OTJ BQ CQ DQ EQ -A&C -B&BDE	
<b>Evaluation</b>	D		<b>Evaluation</b>	B	
$C_5H_{10}O_3$ (liq)		33KOL/UDO	$C_5H_{10}O_5$ (c)		81KAW/KUS
Diethyl carbonate			Arabinose(D)		
<b>Heat Capacity</b>	294.7 K, One temperature.	$C_p = 210.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	303 K, Temperature range 300 to 315 K.	$C_p = 184 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	118.1322		<b>Molecular Weight</b>	150.1310	
<b>Wiswesser Line Notation</b>	2OVO2		<b>Wiswesser Line Notation</b>	T6OTJ BQ CQ DQ EQ -A&DE -B&BC	
<b>Evaluation</b>	C		<b>Evaluation</b>	B	
$C_5H_{10}O_3$ (liq)		34KOL/UDO2	$C_5H_{10}O_5$ (c)		81KAW/KUS
Diethyl carbonate			Ribose(D)		
<b>Heat Capacity</b>	294.2 K, One temperature.	$C_p = 210.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	303 K, Temperature range 300 to 315 K.	$C_p = 187 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	118.1322		<b>Molecular Weight</b>	150.1310	
<b>Wiswesser Line Notation</b>	2OVO2		<b>Wiswesser Line Notation</b>	T6OTJ BQ CQ DQ EQ -A&CDE -B&B	
<b>Evaluation</b>	C		<b>Evaluation</b>	B	
$C_5H_{10}O_4$ (c)	2,2-Bis(hydroxymethyl)propionic acid	70MUR/BRE	$C_5H_{10}S$ (liq)		61BER/SCC
<b>Phase Changes</b>			Cyclopentanethiol; Cyclopentyl mercaptan		
c,II/c,I	426 K,	$\Delta H = 38499 \text{ J} \cdot \text{mol}^{-1}$	<b>Heat Capacity</b>	298.15 K, Temperature range 12 to 367 K. For metastable crystals 12 to 137 K.	$C_p = 265.23 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c,I/liq	468 K,	$\Delta S = 90.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Entropy</b>	298.15 K, $S = 256.86 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
		$\Delta H = 3592 \text{ J} \cdot \text{mol}^{-1}$	<b>Phase Changes</b>		
		$\Delta S = 7.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	c,I/liq	155.39 K, $\Delta H = 7830.8 \text{ J} \cdot \text{mol}^{-1}$	
<b>Molecular Weight</b>	134.1316			$\Delta S = 50.39 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Wiswesser Line Notation</b>	QVX1&1Q1Q		<b>Molecular Weight</b>	102.1940	
<b>Evaluation</b>	A		<b>Wiswesser Line Notation</b>	L5TJ ASH	
$C_5H_{10}O_5$ (c)	Pentoxane; Pentacycloformaldehyde	69CLE/MEL3	<b>Evaluation</b>	A	
<b>Heat Capacity</b>	298.15 K, Temperature range 180 to 400 K.	$C_p = 171.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	From enthalpy data at 102 to 162 K calculate enthalpy of fusion c metastable crystals at 155.39 K as $7381 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ . Adiabatic transition from metastable to stable crystals, $\Delta H(155.39 \text{ K}) = 452 \text{ J}$ $\text{mol}^{-1}$ . Sum gives $\Delta H_{\text{fusion}} = 7833 \text{ J} \cdot \text{mol}^{-1}$ .		
<b>Entropy</b>	298.15 K, Extrapolation below 180 K, 119.0 $\text{J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .	$S = 187.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
<b>Phase Changes</b>			$C_5H_{10}S$ (liq)		74MES/FI
c/liq	334 K,	$\Delta H = 21900 \text{ J} \cdot \text{mol}^{-1}$	2-Methylthiolane; 2-Methylcyclothiapentane		
		$\Delta S = 65.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K, Temperature range 10 to 380 K.	$C_p = 171.80 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	150.1310		<b>Entropy</b>	298.15 K, $S = 245.31 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Wiswesser Line Notation</b>	T-10-O CO EO GO IOTJ		<b>Phase Changes</b>		
<b>Evaluation</b>	B	( $C_p$ ),C(S)	c/liq	172.39 K, $\Delta H = 8875.9 \text{ J} \cdot \text{mol}^{-1}$	
$C_5H_{10}O_5$ (c)		35MIL		$\Delta S = 51.49 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
$\alpha$ -Xylose(D)			<b>Molecular Weight</b>	102.1940	
<b>Heat Capacity</b>	$C_p$ Temperature range 100 to 298 K.	data in thesis only.	<b>Wiswesser Line Notation</b>	T5STJ B1	
<b>Entropy</b>	298.15 K, Extrapolation below 90 K, 31.38 $\text{J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .	$S = 143.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Evaluation</b>	A	
<b>Molecular Weight</b>	150.1310		$C_5H_{10}S$ (liq)		74MES/FT
<b>Wiswesser Line Notation</b>	T6OTJ BQ CQ DQ EQ -A&BCE -B&D		3-Methylthiolane; 3-Methylcyclothiapentane		
<b>Evaluation</b>	C		<b>Heat Capacity</b>	298.15 K, Temperature range 10 to 340 K.	$C_p = 171.80 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
$C_5H_{10}O_5$ (c)		81KAW/KUS	<b>Entropy</b>	298.15 K, $S = 241.00 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Xylose(D)			<b>Phase Changes</b>		
<b>Heat Capacity</b>	303 K, Temperature range 300 to 315 K.	$C_p = 184 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	c/liq	192.00 K, $\Delta H = 10370.5 \text{ J} \cdot \text{mol}^{-1}$	
<b>Molecular Weight</b>	150.1310			$\Delta S = 54.01 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Wiswesser Line Notation</b>	T6OTJ BQ CQ DQ EQ -A&BCE -B&D		<b>Molecular Weight</b>	102.1940	
<b>Evaluation</b>	B		<b>Wiswesser Line Notation</b>	T5STJ C1	
			<b>Evaluation</b>	A	

<b>C<sub>5</sub>H<sub>10</sub>S</b> (liq)		54MCC/FIN	<b>C<sub>5</sub>H<sub>11</sub>CaCl<sub>2</sub>NO<sub>2</sub>·2H<sub>2</sub>O</b> (c)	90BRI/GME
Thiacyclohexane			Betaine calcium chloride dihydrate	
<b>Heat Capacity</b>	298.15 K, Temperature range 13 to 340 K.	$C_p = 163.30 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	300 K, $C_p = 300 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Entropy</b>	298.15 K,	$S = 218.24 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Temperature range 2 to 300 K. $C_p$ value estimated graphically.	
<b>Phase Changes</b>			<b>Phase Changes</b>	
c,III/c,II	201.4 K,	$\Delta H = 1097.9 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 5.45 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	c,VI/c,V	47 K, $\Delta H = 5.08 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 0.11 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c,II/c,I	240.02 K,	$\Delta H = 7775.1 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 32.39 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	c,IV/c,III	76 K, $\Delta H = 11.90 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 0.16 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c,I/liq	292.25 K,	$\Delta H = 2448.5 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 8.38 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	c,III/c,II	116 K, $\Delta H = 5.60 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 0.05 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	102.1940		c,II/c,I	127 K, $\Delta H = 1.58 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 0.01 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b>	T6STJ			$\Delta H = 187.4 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 1.28 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Evaluation</b>	A			
<b>C<sub>5</sub>H<sub>11</sub>Br</b> (liq)		48KUR	<b>Molecular Weight</b>	264.1638
1-Bromo-3-methylbutane; Isoamyl bromide			<b>Wiswesser Line Notation</b>	OV1K1&I&1.CA G 2 &QH 2
<b>Heat Capacity</b>	298 K, $C_p = 187.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Evaluation</b>	A
Temperature range 12 to 100° C, mean $C_p$ , two temperatures.				
<b>Molecular Weight</b>	151.0459			
<b>Wiswesser Line Notation</b>	E2Y1&1			
<b>Evaluation</b>	D			
<b>C<sub>5</sub>H<sub>11</sub>Br</b> (liq)		31DEE	<b>C<sub>5</sub>H<sub>11</sub>Cl</b> (liq)	48KUR
1-Bromopentane; n-Amyl bromide; n-Pentyl bromide			1-Chloro-1-methylbutane; Isoamyl chloride	
<b>Heat Capacity</b>	290.7 K, $C_p = 171.59 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b>	298 K, $C_p = 179.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 96 to 291 K. Value is unsmoothed experimental datum.			Temperature range 14 to 98°C, mean $C_p$ , two temperatures.	
<b>Entropy</b>	298.15 K, $S = 406.77 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Molecular Weight</b>	106.5949
Extrapolation below 100 K, 56.82 J·mol <sup>-1</sup> ·K <sup>-1</sup> .			<b>Wiswesser Line Notation</b>	G2Y1&1
<b>Phase Changes</b>			<b>Evaluation</b>	D
c/liq	185.1 K, $\Delta H = 14364 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 77.60 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
<b>Molecular Weight</b>	151.0459			
<b>Wiswesser Line Notation</b>	E5			
<b>Evaluation</b>	B	( $C_p$ ),C(S)		
<b>C<sub>5</sub>H<sub>11</sub>Br</b> (liq)		50KUS/CRO	<b>C<sub>5</sub>H<sub>11</sub>Cl</b> (liq)	93SHE
1-Bromopentane; n-Amyl bromide; n-Pentyl bromide			1-Chloropentane; n-Amyl chloride; n-Pentyl chloride	
<b>Heat Capacity</b>	206.6 K, $C_p = 174.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b>	298.15 K, $C_p = 187.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 122 to 207 K. Value is unsmoothed experimental datum.			One temperature.	
<b>Phase Changes</b>			<b>Molecular Weight</b>	106.5949
c/liq	185.1 K, $\Delta H = 11465 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 62.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Wiswesser Line Notation</b>	G5
<b>Molecular Weight</b>	151.0459		<b>Evaluation</b>	B
<b>Wiswesser Line Notation</b>	E5			
<b>Evaluation</b>	B			
<b>C<sub>5</sub>H<sub>11</sub>Br</b> (liq)		93SHE	<b>C<sub>5</sub>H<sub>11</sub>I</b> (liq)	48KUR
1-Bromopentane; n-Amyl bromide; n-Pentyl bromide			1-Iodo-3-methylbutane; Isoamyl iodide	
<b>Heat Capacity</b>	298.15 K, $C_p = 219.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b>	298 K, $C_p = 178.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
One temperature.			Temperature range 13 to 137°C, mean $C_p$ .	
<b>Molecular Weight</b>	151.0459		<b>Molecular Weight</b>	198.0464
<b>Wiswesser Line Notation</b>	E5		<b>Wiswesser Line Notation</b>	I2Y1&1.
<b>Evaluation</b>	B		<b>Evaluation</b>	D
<b>C<sub>5</sub>H<sub>11</sub>Br</b> (liq)		93SHE	<b>C<sub>5</sub>H<sub>11</sub>I</b> (liq)	93SHE
1-Bromopentane; n-Amyl bromide; n-Pentyl bromide			1-Iodopentane; n-Amyl iodide; n-Pentyl iodide	
<b>Heat Capacity</b>	298.15 K, $C_p = 188.28 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b>	298.15 K, $C_p = 193.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 10 to 400 K.			One temperature.	
<b>Entropy</b>	298.15 K, $S = 236.43 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Molecular Weight</b>	198.0464
<b>Phase Changes</b>			<b>Wiswesser Line Notation</b>	I5
c/liq	170.402 K		<b>Evaluation</b>	B
<b>Molecular Weight</b>	85.1486			
<b>Wiswesser Line Notation</b>	T5MTJ C1			
<b>Evaluation</b>	A			

$C_5H_{11}N$ (liq)		76CON/GIN	$C_5H_{11}N$ (liq)		88MES/TOD
Piperidine			Piperidine		
<b>Heat Capacity</b> 298 K,		$C_p = 161.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.150 K,		$C_p = 179.857 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
One temperature.			Temperature range 10 to 400 K.		
<b>Molecular Weight</b> 85.1486			<b>Entropy</b> 298.150 K,		$S = 209.972 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Wiswesser Line Notation T5NTJ A1			<b>Phase Changes</b>		
Evaluation B			c/liq	262.124 K,	$\Delta H = 14853.69 \text{ J} \cdot \text{mol}^{-1}$
					$\Delta S = 56.67 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
$C_5H_{11}N$ (liq)		34RAD/JUL	<b>Molecular Weight</b> 85.1486		
Piperidine			Wiswesser Line Notation T6MTJ		
<b>Heat Capacity</b> 290 K,		$C_p = 170.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Evaluation A		
One temperature.					
<b>Molecular Weight</b> 85.1486			$C_5H_{11}N$ (liq)		81FIN/MES
Wiswesser Line Notation T6MTJ			Cyclopentylamine		
Evaluation C			<b>Heat Capacity</b> 298 K,		$C_p = 181.21 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
			Temperature range 12 to 349 K.		Equation also given for
			temperature range 197 to 349 K.		
<b>Entropy</b> 298.15 K,			<b>Entropy</b> 298.15 K,		$S = 241.04 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Phase Changes</b>			c,II/c,I	184.5 K,	$\Delta H = 475.3 \text{ J} \cdot \text{mol}^{-1}$
c,II/liq					$\Delta S = 2.58 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Lambda type transition.					
c,II/liq	190.45 K,		<b>Molecular Weight</b> 85.1486		$\Delta H = 8312.8 \text{ J} \cdot \text{mol}^{-1}$
			Wiswesser Line Notation L5TJ AZ		$\Delta S = 43.65 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
			Evaluation A		
$C_5H_{11}N$ (liq)		64MOE/THO	$C_5H_{11}NO$ (liq)		71KON/WAI
Piperidine			N-(1-Methylethyl)ethanamide; N-Isopropylacetamide		
<b>Heat Capacity</b> 297.39 K,		$C_p = 182.76 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,		$C_p = 211 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 297 to 327 K.			One temperature.		
<b>Molecular Weight</b> 85.1486			<b>Molecular Weight</b> 101.1480		
Wiswesser Line Notation T6MTJ			Wiswesser Line Notation 1Y1&MV1		
Evaluation B			Evaluation B		
$C_5H_{11}N$ (liq)		76CON/GIN	$C_5H_{11}NO$ (liq)		71KON/WAI
Piperidine			N,N-Dimethylpropanamide		
<b>Heat Capacity</b> 298 K,		$C_p = 181.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,		$C_p = 209 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
One temperature.			One temperature.		
<b>Molecular Weight</b> 85.1486			<b>Molecular Weight</b> 101.1480		
Wiswesser Line Notation T6MTJ			Wiswesser Line Notation 1Y1&VM1		
Evaluation B			Evaluation B		
$C_5H_{11}N$ (liq)		86STE/CHI	$C_5H_{11}NO$ (liq)		71KON/WAI
Piperidine			N-(n-Propyl)ethanamide; N-(n-Propyl)acetamide		
<b>Heat Capacity</b> 298.15 K,		$C_p = 179.86 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,		$C_p = 207 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 10 to 370 K.			One temperature.		
<b>Entropy</b> 298.15 K,		$S = 209.94 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b> 101.1480		
<b>Phase Changes</b>			Wiswesser Line Notation 3MV1		
c/liq	262.124 K,		Evaluation B		
<b>Molecular Weight</b> 85.1486					
Wiswesser Line Notation T6MTJ					
Evaluation A					
$C_5H_{11}N$ (liq)		87MES/TOD	$C_5H_{11}NO$ (liq)		86ZEG/BO1
Piperidine			N-(n-Propyl)ethanamide; N-(n-Propyl)acetamide		
<b>Heat Capacity</b> 298.15 K,		$C_p = 179.85 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,		$C_p = 207.94 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 10 to 370 K.			One temperature.		
<b>Entropy</b> 298.15 K,		$S = 209.94 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b> 101.1480		
<b>Phase Changes</b>			Wiswesser Line Notation 3MV1		
c/liq	262.124 K,	$\Delta H = 14847.9 \text{ J} \cdot \text{mol}^{-1}$	Evaluation B		
<b>Molecular Weight</b> 85.1486		$\Delta S = 56.64 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
Wiswesser Line Notation T6MTJ					
Evaluation A					

$C_5H_{11}NO$ (liq)		71KON/WAD	$C_p = 207 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	$C_5H_{11}NO_2$ (c)	90BAD/KUL
N-Methylbutanamide				2-Amino-3-methylbutanoic acid(D); Valine(D); $\alpha$ -Aminoisovaleric acid(D)	
<b>Heat Capacity</b>	298.15 K,			<b>Heat Capacity</b>	298 K, $C_p = 158 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
One temperature.				Temperature range 298, 313, 333, 348 K.	
<b>Molecular Weight</b>	101.1480			<b>Molecular Weight</b>	117.1474
<b>Wiswesser Line Notation</b>	3VM1			<b>Wiswesser Line Notation</b>	QVYZY1&1 -D
<b>Evaluation</b>	B			<b>Evaluation</b>	D
$C_5H_{11}NO$ (liq)		89ABB/JIM		$C_5H_{11}NO_2$ (c)	89KUL/KOZ
2,2-Dimethylpropanamide				2-Amino-3-methylbutanoic acid(DL); Valine(DL);	
<b>Heat Capacity</b>	298.150 K,	$C_p = 159.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b>	298 K, $C_p = 164.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
One temperature; $C_p$ given as 1.58 J $\cdot$ g $^{-1}$ $\cdot$ K $^{-1}$ .				Temperature range 298 to 348 K.	
<b>Phase Changes</b>				<b>Molecular Weight</b>	117.1474
c/g	298.15 K,	$\Delta H = 86600 \text{ J} \cdot \text{mol}^{-1}$		<b>Wiswesser Line Notation</b>	QVYZY1&1
		$\Delta S = 290.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Evaluation</b>	C
<b>Molecular Weight</b>	101.1480				
<b>Wiswesser Line Notation</b>	ZVX1&1&1				
<b>Evaluation</b>	A				
$C_5H_{11}NO_2$ (liq)		92VER/BEC		$C_5H_{11}NO_2$ (c)	90BAD/KUL
N,N-Dimethylaminoethanoic acid methyl ester				2-Amino-3-methylbutanoic acid(DL); Valine(DL);	
<b>Heat Capacity</b>	298.15 K,	$C_p = 284.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b>	298 K, $C_p = 165 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
One temperature.				Temperature range 298, 313, 333, 348 K.	
<b>Molecular Weight</b>	117.1474			<b>Molecular Weight</b>	117.1474
<b>Wiswesser Line Notation</b>	1OV1N1&1			<b>Wiswesser Line Notation</b>	QVYZY1&1
<b>Evaluation</b>	B			<b>Evaluation</b>	D
$C_5H_{11}NO_2$ (c)		84GRU/BOU		$C_5H_{11}NO_2$ (c)	83SKO/SAB
Norvaline (L); $\alpha$ -Aminovaleric acid (L)				5-Aminopentanoic acid	
<b>Phase Changes</b>				<b>Heat Capacity</b>	298 K, $C_p = 163.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c,II/c,I	273 K,	$\Delta H = 40 \text{ J} \cdot \text{mol}^{-1}$		One temperature.	
		$\Delta S = 0.16 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Molecular Weight</b>	117.1474
<b>Molecular Weight</b>	117.1474			<b>Wiswesser Line Notation</b>	Z4VQ
<b>Wiswesser Line Notation</b>	QVYZ3 -L			<b>Evaluation</b>	B
<b>Evaluation</b>	B				
$C_5H_{11}NO_2$ (c)		63HUT/COL		$C_5H_{11}NO_2$ (c)	91BAR/FON
2-Amino-3-methylbutanoic acid(L); Valine(L); $\alpha$ -Aminoisovaleric acid				2-Amino-2-methyl-1,3-propanediol	
<b>Heat Capacity</b>	298.15 K,	$C_p = 168.82 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b>	
Temperature range 11 to 310 K.				Temperature range 273 to 423 K. Data given graphically.	
<b>Entropy</b>	298.15 K,	$S = 178.87 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Phase Changes</b>	
<b>Molecular Weight</b>	117.1474			c,II/c,I	351.25 K, $\Delta H = 24680 \text{ J} \cdot \text{mol}^{-1}$
<b>Wiswesser Line Notation</b>	QVYZY1&1 -L			c,I/liq	383.55 K, $\Delta H = 2731 \text{ J} \cdot \text{mol}^{-1}$
<b>Evaluation</b>	A			<b>Molecular Weight</b>	101.1480
$C_5H_{11}NO_2$ (c)		75SPL/WAD		<b>Wiswesser Line Notation</b>	ZX1&1&1Q1Q
2-Amino-3-methylbutanoic acid(L); Valine(L); $\alpha$ -Aminoisovaleric acid				<b>Evaluation</b>	B
<b>Heat Capacity</b>	298.15 K,	$C_p = 168.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
One temperature.					
<b>Molecular Weight</b>	117.1474				
<b>Wiswesser Line Notation</b>	QVYZY1&1 -L				
<b>Evaluation</b>	B				
$C_5H_{11}NO_2$ (c)		89KUL/KOZ		$C_5H_{11}NO_2S$ (c)	84GRU/BOU
2-Amino-3-methylbutanoic acid(D); Valine(D); $\alpha$ -Aminoisovaleric acid(D)				Methionine (DL)	
<b>Heat Capacity</b>	298 K,	$C_p = 158.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Phase Changes</b>	
Temperature range 298 to 348 K.				c,III/c,II	326 K, $\Delta H = 820 \text{ J} \cdot \text{mol}^{-1}$
<b>Molecular Weight</b>	117.1474			c,II/c,I	380 K $\Delta S = 2.51 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b>	ZVYZY1&1 -D			<b>Molecular Weight</b>	149.2074
<b>Evaluation</b>	C			<b>Wiswesser Line Notation</b>	QVYZ2S1
				<b>Evaluation</b>	B

$C_5H_{11}NO_2S$ (c)		64HUT/COL	$C_p=290.03 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	$C_5H_{12}$ (liq)	70CHA/WES
Methionine (L)				2,2-Dimethylpropane; Neopentane	
<b>Heat Capacity</b>	298.15 K, Temperature range 11 to 348 K.			<b>Phase Changes</b>	
<b>Entropy</b>	298.15 K,		$S=231.46 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	c,II/c,I	$\Delta H=2630 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=18.70 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Phase Changes</b>				c,I/liq	$\Delta H=3096 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=12.05 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c,II/c,I	305.5 K,		$\Delta H=5440 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=17.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		
Lambda transition over the temperature range 250 to 350 K with a maximum at 305.5 K.					
<b>Molecular Weight</b>	149.2074				
<b>Wiswesser Line Notation</b>	QVYZ2S1				
<b>Evaluation</b>	A				
$C_5H_{11}NO_2S$ (c)		84GRU/BOU		$C_5H_{12}$ (liq)	30PAR/HUF
Methionine (L)				2-Methylbutane; Isopentane	
<b>Phase Changes</b>				<b>Heat Capacity</b>	$C_p=157.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c,III/c,II	307 K,		$\Delta H=1980 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=6.45 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	Temperature range 80 to 276 K. Value is unsmoothed experimental datum.	
c,II/c,I	393 K,		$\Delta H=150 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=0.38 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Entropy</b>	$S=254.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Extrapolation below 90 K, 57.49 $\text{J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ .
<b>Molecular Weight</b>	149.2074			<b>Phase Changes</b>	
<b>Wiswesser Line Notation</b>	QVYZ2S1-L			c/liq	$\Delta H=5113 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=45.41 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Evaluation</b>	B				
$C_5H_{11}NO_4$ (c)		39SAT/SOG		<b>Molecular Weight</b>	72.1498
Ammonium acid pyrotartrate; Ammonium acid 2-methylsuccinate				<b>Wiswesser Line Notation</b>	2Y1&1
<b>Heat Capacity</b>	323 K,		$C_p=234.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Evaluation</b>	$B(C_p), C(S)$
Temperature range 0 to 100°C. Mean value.					
<b>Molecular Weight</b>	149.1462				
<b>Wiswesser Line Notation</b>	QVY1&1VQ&ZH				
<b>Evaluation</b>	C				
$C_5H_{12}$ (liq)		36AST/MES		$C_5H_{12}$ (liq)	42SCH/AST
2,2-Dimethylpropane; Neopentane				2-Methylbutane; Isopentane	
<b>Heat Capacity</b>	278.92 K,		$C_p=163.89 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	$C_p=169.41 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 13 to 283 K. Value is unsmoothed experimental datum.			Temperature range 20 to 290 K.		
<b>Entropy</b>	282.61 K,		$S=218.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Entropy</b>	$S=261.04 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Phase Changes</b>				<b>Phase Changes</b>	
c,II/c,I	140.0 K,		$\Delta H=2577 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=18.41 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	c/liq	$\Delta H=5130 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=45.24 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c,I/liq	256.53 K,		$\Delta H=3255 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=12.68 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	liq/g	$\Delta H=24832 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=84.48 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
liq/g	282.61 K,		$\Delta H=22753 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=80.50 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		$P=79.15 \text{ kPa}$
			$P=101.325 \text{ kPa}$		
<b>Molecular Weight</b>	72.1498			<b>Molecular Weight</b>	72.1498
<b>Wiswesser Line Notation</b>	1X1&1&1			<b>Wiswesser Line Notation</b>	2Y1&1
<b>Evaluation</b>	A			<b>Evaluation</b>	A
$C_5H_{12}$ (liq)		69ENO/SHI		$C_5H_{12}$ (liq)	43GUT/HUF
2,2-Dimethylpropane; Neopentane				2-Methylbutane; Isopentane	
<b>Heat Capacity</b>	259.93 K,		$C_p=153.09 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	$C_p=164.85 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 4 to 260 K. Value is unsmoothed experimental datum.			Temperature range 13 to 300 K.		
<b>Entropy</b>	282.61 K,		$S=216.81 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Entropy</b>	$S=260.41 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
			At normal boiling point.	<b>Phase Changes</b>	Small second order transition 69 to 77 K.
<b>Phase Changes</b>				c/liq	$\Delta H=5155.5 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=45.48 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c,II/c,I	140-142 K,		$\Delta H=2630.5 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=18.70 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		
Second-order transition, 140 to 142 K. $\Delta S$ for total change between 140 and 142 K. c,I/liq 256.76 K, $\Delta H=3096.2 \text{ J}\cdot\text{mol}^{-1}$					
			$\Delta S=12.06 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		
<b>Molecular Weight</b>	72.1498			<b>Molecular Weight</b>	72.1498
<b>Wiswesser Line Notation</b>	1X1&1&1			<b>Wiswesser Line Notation</b>	2Y1&1
<b>Evaluation</b>	A			<b>Evaluation</b>	B
$C_5H_{12}$ (liq)				$C_5H_{12}$ (liq)	88CZA
2-Methylbutane; Isopentane				2-Methylbutane; Isopentane	
<b>Heat Capacity</b>	298.3 K,		$C_p=164.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	$C_p=164.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 289 to 299 K. $p=0.1 \text{ MPa}$ . Unsmoothed experimental datum. $C_p$ values provided over the pressure range 0.1 to 820 MPa.			Temperature range 289 to 299 K. $p=0.1 \text{ MPa}$ . Unsmoothed experimental datum. $C_p$ values provided over the pressure range 0.1 to 820 MPa.		
<b>Molecular Weight</b>	72.1498			<b>Molecular Weight</b>	72.1498
<b>Wiswesser Line Notation</b>	2Y1&1			<b>Wiswesser Line Notation</b>	2Y1&1
<b>Evaluation</b>	B				

<b>C<sub>5</sub>H<sub>12</sub></b> (liq)	30PAR/HUF2	<b>C<sub>5</sub>H<sub>12</sub>N<sub>2</sub>O</b> (liq)	88KOZ/KRA2
n-Pentane		Tetramethylurea; Tetramethylcarbamide	
<b>Heat Capacity</b>	290.0 K, $C_p = 163.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	
Temperature range 93 to 290 K. Value is unsmoothed experimental datum.		Temperature range 160 to 425 K. Due to melting temperature of 272.2 K, $C_p$ (liq) at 298.15 K could not be calculated.	
<b>Entropy</b>	298.15 K, $S = 259.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Phase Changes</b>	
Extrapolation below 90 K, $56.61 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .		c/liq	272.2 K, $\Delta H = 13400 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 49.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Phase Changes</b>			
c/liq	143.4 K, $\Delta H = 8376 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 58.41 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
<b>Molecular Weight</b>	72.1498	<b>Molecular Weight</b>	116.1626
<b>Wiswesser Line Notation</b>	5H	<b>Wiswesser Line Notation</b>	1N1&VN1&I
<b>Evaluation</b>	B	<b>Evaluation</b>	B
	$(C_p), C(S)$		$C_p(c) = 60.22 + 0.5207 T$ (160 to 240 K); $C_p$ (liq) = $153.30 + 0.2748 T$ (320 to 425 K) $\text{J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .
<b>C<sub>5</sub>H<sub>12</sub></b> (liq)	40MES/KEN	<b>C<sub>5</sub>H<sub>12</sub>N<sub>2</sub>O</b> (c)	87DEL/FER
n-Pentane		1,3-Diethylurea	
<b>Heat Capacity</b>	290 K, $C_p = 167.99 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Phase Changes</b>	
Temperature range 12 to 290 K.		c,II/c,I	339.4 K, $\Delta H = 1870 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 55.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Entropy</b>	298.15 K, $S = 262.67 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	c/liq	383.4 K, $\Delta H = 12460 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 32.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Phase Changes</b>			
c/liq	143.46 K, $\Delta H = 8414.9 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 58.66 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
liq/g	298.15 K, $\Delta H = 26200 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 87.88 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ P=68.68 kPa		
<b>Molecular Weight</b>	72.1498	<b>Molecular Weight</b>	116.1626
<b>Wiswesser Line Notation</b>	5H	<b>Wiswesser Line Notation</b>	2MVM2
<b>Evaluation</b>	A	<b>Evaluation</b>	A
<b>C<sub>5</sub>H<sub>12</sub></b> (liq)	67MES/GUT	<b>C<sub>5</sub>H<sub>12</sub>N<sub>2</sub>O</b> (c)	87DEL/FER
n-Pentane		Butylurea; Monobutylurea	
<b>Heat Capacity</b>	298.15 K, $C_p = 167.19 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Phase Changes</b>	
Temperature range 12 to 300 K.		c,III/c,II	313.1 K, $\Delta H = 7020 \text{ J} \cdot \text{mol}^{-1}$
<b>Entropy</b>	298.15 K, $S = 263.47 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	c,II/c,I	344.9 K, $\Delta H = 880 \text{ J} \cdot \text{mol}^{-1}$
<b>Phase Changes</b>		c/liq	369.3 K, $\Delta H = 14550 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 39.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c/liq	143.47 K, $\Delta H = 8401 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 58.56 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
<b>Molecular Weight</b>	72.1498	<b>Molecular Weight</b>	116.1626
<b>Wiswesser Line Notation</b>	5H	<b>Wiswesser Line Notation</b>	ZVM4
<b>Evaluation</b>	A	<b>Evaluation</b>	A
<b>C<sub>5</sub>H<sub>12</sub></b> (liq)	75GRI/RAS	<b>C<sub>5</sub>H<sub>12</sub>N<sub>2</sub>O</b> (c)	87DEL/FER
n-Pentane		tert-Butylurea; Mono-tert-butylurea	
<b>Heat Capacity</b>	298 K, $C_p = 168.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Phase Changes</b>	
Temperature range 300 to 463 K.		c/liq	449.8 K, $\Delta H = 33130 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 73.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	72.1498	<b>Molecular Weight</b>	116.1626
<b>Wiswesser Line Notation</b>	5H	<b>Wiswesser Line Notation</b>	ZVMX
<b>Evaluation</b>	B	<b>Evaluation</b>	A
<b>C<sub>5</sub>H<sub>12</sub>N<sub>2</sub>O</b> (liq)	88KOZ/KRA	<b>C<sub>5</sub>H<sub>12</sub>N<sub>2</sub>O</b> (c)	86KRA/KOZ
Tetramethylurea; Tetramethylcarbamide		N,N-Diethylurea; 1,1-Diethylurea	
<b>Heat Capacity</b>	320 K, $C_p = 241.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	
Temperature range 160 to 425 K. Equation only. $C_p(c) = 60.22 + 0.5207 T \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ (160 to 240 K); $C_p$ (liq) = $153.30 + 0.2748 T \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ (320 to 425 K).		300 K, $\Delta H = 185.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Phase Changes</b>		<b>Phase Changes</b>	
c/liq	272.2 K, $\Delta H = 13400 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 49.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	c,II/c,I	195-225 K, $\Delta H = 2000 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 9.61 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	116.1626	Reversible transition.	
<b>Wiswesser Line Notation</b>	1N1&VN1&I	c,II/liq	384.43 K, $\Delta H = 16100 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 41.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Evaluation</b>	A	c/g	326 K, $\Delta H = 96800 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 296.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
		<b>Molecular Weight</b>	116.1626
		<b>Wiswesser Line Notation</b>	ZVN2&2
		<b>Evaluation</b>	B

$C_5H_{12}N_2O$ (c) N,N-Diethylurea; 1,1-Diethylurea <b>Phase Changes</b> c/liq 342.3 K, $\Delta H=16780 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S=49.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	87DEL/FER	$C_5H_{12}O$ (liq) 2-Oxahexane; Methyl n-butyl ether <b>Heat Capacity</b> 298.15 K, Temperature range 12 to 350 K. <b>Entropy</b> 298.15 K, <b>Phase Changes</b> c/liq 157.48 K, $\Delta H=10850 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S=68.90 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	75AND/MAR $C_p=192.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ $S=295.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
$C_5H_{12}N_2O_2$ (c) Ornithine(DL) <b>Heat Capacity</b> 298.1 K, $C_p=191.33 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ Temperature range 90 to 298 K. Value is unsmoothed experimental datum. <b>Entropy</b> 298.15 K, $S=193.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ Extrapolation below 90 K, $55.06 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .	40HUF/F0X	<b>Molecular Weight</b> 116.1626 <b>Wiswesser Line Notation</b> ZVN2&2 <b>Evaluation</b> A	<b>Molecular Weight</b> 88.1492 <b>Wiswesser Line Notation</b> 4O1 <b>Evaluation</b> A
$C_5H_{12}O$ (liq) 3,3-Dimethyl-2-oxabutane; Methyl tert-butyl ether <b>Heat Capacity</b> 298 K, $C_p=188 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ One temperature.	36EVA/EDL	$C_5H_{12}O$ (liq) 2-Oxahexane; Methyl n-butyl ether <b>Heat Capacity</b> 298.15 K, One temperature.	75FEN/HAR $C_p=193.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b> 132.1620 <b>Wiswesser Line Notation</b> Z3YZVQ -DL <b>Evaluation</b> C		<b>Molecular Weight</b> 88.1492 <b>Wiswesser Line Notation</b> 4O1 <b>Evaluation</b> B	
$C_5H_{12}O$ (liq) 3,3-Dimethyl-2-oxabutane; Methyl tert-butyl ether <b>Heat Capacity</b> 298.15 K, $C_p=187.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ Temperature range 12 to 350 K. <b>Entropy</b> 298.15 K, $S=265.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	75AND/MAR	$C_5H_{12}O$ (liq) Methyl n-butyl ether <b>Heat Capacity</b> 298.15 K, One temperature.	82VIL/CAS 2-Oxahexane $C_p=192.48 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Phase Changes</b> c/liq 164.56 K, $\Delta H=7600 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S=46.18 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Molecular Weight</b> 88.1492 <b>Wiswesser Line Notation</b> Q2Y1&1 <b>Evaluation</b> B	
<b>Molecular Weight</b> 88.1492 <b>Wiswesser Line Notation</b> 1X1&1&O1 <b>Evaluation</b> A		$C_5H_{12}O$ (liq) 3-Methyl-1-butanol; Isoamyl alcohol <b>Heat Capacity</b> 303 K, $C_p=210.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ Temperature range 303 to 343 K. Equation only.	24WIL/DAN
$C_5H_{12}O$ (liq) 3,3-Dimethyl-2-oxabutane; Methyl tert-butyl ether <b>Heat Capacity</b> 298.15 K, $C_p=187.8 \text{ J} \cdot \text{mol}^{-1} \text{K}^{-1}$ One temperature.	75FEN/HAR	<b>Molecular Weight</b> 88.1492 <b>Wiswesser Line Notation</b> Q2Y1&1 <b>Evaluation</b> C	
<b>Molecular Weight</b> 88.1492 <b>Wiswesser Line Notation</b> 1X1&1&O1 <b>Evaluation</b> B		$C_5H_{12}O$ (liq) 3-Methyl-1-butanol; Isoamyl alcohol <b>Heat Capacity</b> 295.52 K, $C_p=209.52 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ Temperature range 7 to 47°C. Value is unsmoothed experimental datum.	45ZHE
$C_5H_{12}O$ (liq) 3-Oxahexane; Ethyl n-propyl ether <b>Heat Capacity</b> 298.15 K, $C_p=197.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ Temperature range 10 to 350 K.	75AND/MAR	<b>Molecular Weight</b> 88.1492 <b>Wiswesser Line Notation</b> Q2Y1&1 <b>Evaluation</b> C	
<b>Entropy</b> 298.15 K, $S=295.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		$C_5H_{12}O$ (liq) 3-Methyl-1-butanol; Isoamyl alcohol <b>Heat Capacity</b> 347 K, Mean value 22 to 126°C.	58SWI/ZIE
<b>Phase Changes</b> c/liq 145.65 K, $\Delta H=8395 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S=57.64 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Molecular Weight</b> 88.1492 <b>Wiswesser Line Notation</b> Q2Y1&1 <b>Evaluation</b> C	
<b>Molecular Weight</b> 88.1492 <b>Wiswesser Line Notation</b> 3O2 <b>Evaluation</b> A		$C_5H_{12}O$ (liq) 1-Pentanol; n-Amyl alcohol; n-Pentyl alcohol <b>Heat Capacity</b> 298 K, $C_p=183.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ Temperature range 298 to 400 K.	1881RE
$C_5H_{12}O$ (liq) 3-Oxahexane; Ethyl n-propyl ether <b>Heat Capacity</b> 298.15 K, $C_p=197.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ One temperature.	75FEN/HAR	<b>Molecular Weight</b> 88.1492 <b>Wiswesser Line Notation</b> Q5 <b>Evaluation</b> D	
<b>Molecular Weight</b> 88.1492 <b>Wiswesser Line Notation</b> 3O2 <b>Evaluation</b> B			

<b>C<sub>5</sub>H<sub>12</sub>O</b> (liq)	33PAR/HUF	<b>C<sub>5</sub>H<sub>12</sub>O</b> (liq)	83DAP/DEL
1-Pentanol; n-Amyl alcohol; n-Pentyl alcohol		1-Pentanol; n-Amyl alcohol; n-Pentyl alcohol	
<b>Heat Capacity</b> 298.0 K, $C_p=209.12 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K, $C_p=207.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 94 to 298 K. Value is unsmoothed experimental datum.		Data given at 288 and 298 K.	
<b>Entropy</b> 298.1 K, $S=254.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Molecular Weight</b> 88.1492	
Extrapolation below 90 K, 57.66 $\text{J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ .		<b>Wiswesser Line Notation</b> Q5	
<b>Phase Changes</b>		<b>Evaluation</b> B	
c/liq 194.2 K, $\Delta H=9828 \text{ J}\cdot\text{mol}^{-1}$	$\Delta S=50.61 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		
<b>Molecular Weight</b> 88.1492		<b>C<sub>5</sub>H<sub>12</sub>O</b> (liq)	84ZEG/SOM
<b>Wiswesser Line Notation</b> Q5		1-Pentanol; n-Amyl alcohol; n-Pentyl alcohol	
<b>Evaluation</b> B ( $C_p$ ), C(S)		<b>Heat Capacity</b> 298.15 K, $C_p=208.98 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>C<sub>5</sub>H<sub>12</sub>O</b> (liq)	39PHI	<b>Molecular Weight</b> 88.1492	
1-Pentanol; n-Amyl alcohol; n-Pentyl alcohol		<b>Wiswesser Line Notation</b> Q5	
<b>Heat Capacity</b> 302.4 K, $C_p=201.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Evaluation</b> B	
One temperature.		<b>C<sub>5</sub>H<sub>12</sub>O</b> (liq)	86BEN/DAR
<b>Molecular Weight</b> 88.1492		1-Pentanol; n-Amyl alcohol; n-Pentyl alcohol	
<b>Wiswesser Line Notation</b> Q5		<b>Heat Capacity</b> 298.15 K, $C_p=207.45 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Evaluation</b> C		One temperature.	
Isomer not specified; normal assumed.		<b>Molecular Weight</b> 88.1492	
<b>C<sub>5</sub>H<sub>12</sub>O</b> (liq)	68COU/LEE	<b>Wiswesser Line Notation</b> Q5	
1-Pentanol; n-Amyl alcohol; n-Pentyl alcohol		<b>Evaluation</b> B	
<b>Heat Capacity</b> 298.15 K, $C_p=208.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>C<sub>5</sub>H<sub>12</sub>O</b> (liq)	86BEN/DAR2
Temperature range 10 to 390 K.		1-Pentanol; n-Amyl alcohol; n-Pentyl alcohol	
<b>Entropy</b> 298.15 K, $S=258.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K, $C_p=207.45 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Phase Changes</b>		One temperature.	
c/liq 195.56 K, $\Delta H=10502 \text{ J}\cdot\text{mol}^{-1}$	$\Delta S=53.70 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Molecular Weight</b> 88.1492	
<b>Molecular Weight</b> 88.1492		<b>Wiswesser Line Notation</b> Q5	
<b>Wiswesser Line Notation</b> Q5		<b>Evaluation</b> B	
<b>Evaluation</b> A		<b>C<sub>5</sub>H<sub>12</sub>O</b> (liq)	86TAN/TOY
<b>C<sub>5</sub>H<sub>12</sub>O</b> (liq)	70PAZ/PAZ	1-Pentanol; n-Amyl alcohol, n-Pentyl alcohol	
1-Pentanol; n-Amyl alcohol; n-Pentyl alcohol		<b>Heat Capacity</b> 298.15 K, $C_p=208.19 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Heat Capacity</b> 313.2 K, $C_p=240.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		One temperature.	
One temperature.		<b>Molecular Weight</b> 88.1492	
<b>Molecular Weight</b> 88.1492		<b>Wiswesser Line Notation</b> Q5	
<b>Wiswesser Line Notation</b> Q5		<b>Evaluation</b> A	
<b>Evaluation</b> B		<b>C<sub>5</sub>H<sub>12</sub>O</b> (c)	70MUR/BRE
<b>C<sub>5</sub>H<sub>12</sub>O</b> (liq)	76SKO/SUU	2,2-Dimethyl-1-propanol	
1-Pentanol; n-Amyl alcohol; n-Pentyl alcohol		<b>Phase Changes</b>	
<b>Heat Capacity</b> 298.15 K, $C_p=208.40 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		c,II/c,I 242 K, $\Delta H=4463 \text{ J}\cdot\text{mol}^{-1}$	
One temperature.		c,II/liq 325 K, $\Delta S=18.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Molecular Weight</b> 88.1492		$\Delta H=4057 \text{ J}\cdot\text{mol}^{-1}$	
<b>Wiswesser Line Notation</b> Q5		$\Delta S=12.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Evaluation</b> A		<b>Molecular Weight</b> 88.1492	
<b>C<sub>5</sub>H<sub>12</sub>O</b> (liq)	79GRI/YAN	<b>Wiswesser Line Notation</b> Q1X1&1&1	
1-Pentanol; n-Amyl alcohol; n-Pentyl alcohol		<b>Evaluation</b> A	
<b>Heat Capacity</b> 301.26 K, $C_p=212.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>C<sub>5</sub>H<sub>12</sub>O</b> (liq)	33PAR/HUF
Temperature range 301 to 463 K. $p=0.98$ bar.		2-Methyl-2-butanol; tert-Amyl alcohol; tert-Pentyl alcohol	
<b>Molecular Weight</b> 88.1492		<b>Heat Capacity</b> 294.4 K, $C_p=244.14 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Wiswesser Line Notation</b> Q5		Temperature range 92 to 294 K. Value is unsmoothed experimental datum.	
<b>Evaluation</b> B		<b>Entropy</b> 298.1 K, $S=229.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>C<sub>5</sub>H<sub>12</sub>O</b> (liq)	81ARU/BAG	Extrapolation below 90 K, 46.78 $\text{J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ .	
1-Pentanol; n-Amyl alcohol; n-Pentyl alcohol		<b>Phase Changes</b>	
<b>Heat Capacity</b> 293.15 K, $C_p=205.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		c,II/c,II 146.0 K, $\Delta H=1962 \text{ J}\cdot\text{mol}^{-1}$	
Temperature range 293 to 393 K. $p=0.1$ MPa. Unsmoothed experimental datum given as 2.332 kJ/kg·K. $C_p$ given from 293.15 to 533.15 K for pressure range 10 to 60 MPa.		$\Delta S=13.44 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Molecular Weight</b> 88.1492		c,II/c,I 213 K, $\Delta H=167 \text{ J}\cdot\text{mol}^{-1}$	
<b>Wiswesser Line Notation</b> Q5		$\Delta S=0.79 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Evaluation</b> B		c,I/liq 264.0 K, $\Delta H=4456 \text{ J}\cdot\text{mol}^{-1}$	
<b>C<sub>5</sub>H<sub>12</sub>O</b> (liq)		$\Delta S=16.88 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
1-Pentanol; n-Amyl alcohol; n-Pentyl alcohol		<b>Molecular Weight</b> 88.1492	
<b>Heat Capacity</b> 293.15 K, $C_p=205.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Wiswesser Line Notation</b> QX1&1&2	
Temperature range 293 to 393 K. $p=0.1$ MPa. Unsmoothed experimental datum given as 2.332 kJ/kg·K. $C_p$ given from 293.15 to 533.15 K for pressure range 10 to 60 MPa.		<b>Evaluation</b> B ( $C_p$ ), C(S)	
<b>Molecular Weight</b> 88.1492			
<b>Wiswesser Line Notation</b> Q5			
<b>Evaluation</b> B			

$C_5H_{12}O$ (liq)	83DAP/DEL	$C_5H_{12}O_2$ (liq)	88BAG/GUR
2-Methyl-2-butanol; tert-Amyl alcohol; tert-Pentyl alcohol		2,2-Dimethoxypropane	
<b>Heat Capacity</b> 298.15 K, $C_p = 247.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K, $C_p = 217.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Data given at 288 and 298 K.		Temperature range 270 to 340 K. Unsmoothed experimental datum.	
<b>Molecular Weight</b> 88.1492		<b>Molecular Weight</b> 104.1486	
<b>Wiswesser Line Notation</b> QX1&1&2		<b>Wiswesser Line Notation</b> 1OXO1	
<b>Evaluation</b> B		<b>Evaluation</b> B	
$C_5H_{12}O$ (liq)	86BEN/DAR	$C_5H_{12}O_2$ (liq)	73KUS/SUU
2-Methyl-2-butanol; tert-Amyl alcohol; tert-Pentyl alcohol		2,5-Dioxaheptane; 1-Ethoxy-2-methoxyethane	
<b>Heat Capacity</b> 298.15 K, $C_p = 248.86 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K, $C_p = 224.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
One temperature.		One temperature.	
<b>Molecular Weight</b> 88.1492		<b>Molecular Weight</b> 104.1486	
<b>Wiswesser Line Notation</b> QX1&1&2		<b>Wiswesser Line Notation</b> 2O2O1	
<b>Evaluation</b> B		<b>Evaluation</b> B	
$C_5H_{12}O$ (liq)	86BEN/DAR2	$C_5H_{12}O_2$ (c)	70MUR/BRE
2-Methyl-2-butanol; tert-Amyl alcohol; tert-Pentyl alcohol		2,2-Dimethyl-1,3-propanediol	
<b>Heat Capacity</b> 298.15 K, $C_p = 248.86 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Phase Changes</b>	
One temperature.		c,II/c,I 314 K,	$\Delta H = 13639 \text{ J}\cdot\text{mol}^{-1}$
<b>Molecular Weight</b> 88.1492		c,II/liq 398 K,	$\Delta S = 43.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Wiswesser Line Notation</b> QX1&1&2			$\Delta H = 4706 \text{ J}\cdot\text{mol}^{-1}$
<b>Evaluation</b> B			$\Delta S = 11.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
$C_5H_{12}O$ (liq)	88PIE/SOM	<b>Molecular Weight</b> 104.1486	
2-Methyl-2-butanol; tert-Amyl alcohol; tert-Pentyl alcohol		<b>Wiswesser Line Notation</b> Q1X1&1&1Q	
<b>Heat Capacity</b> 298.15 K, $C_p = 247.15 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Evaluation</b> A	
One temperature.			
<b>Molecular Weight</b> 88.1492			
<b>Wiswesser Line Notation</b> QX1&1&2			
<b>Evaluation</b> B			
$C_5H_{12}O$ (liq)	91ATR/NES	$C_5H_{12}O_2$ (c)	88ZHA/HON
3-Methyl-2-butanol		2,2-Dimethyl-1,3-propanediol	
<b>Heat Capacity</b> 298.15 K, $C_p = 245.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K, $C_p = 183.18 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 218 to 373 K. $C_p(\text{liq}) = 4.81853 - 3.12708/T - 100 + 0.182356(T/100)^2 + 0.484126(T/100)^3 - 0.0905712(T/100)^4 \text{ kJ/kg}\cdot\text{K}$		Temperature range 270 to 440 K. $C_p(c) = 176.017 + 14.708x + 6.114x^2 + 6.148x^3 - 9.805x^4 = (T-290)/20] \text{ (270 to 310 K) J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Molecular Weight</b> 88.1492		<b>Phase Changes</b>	
<b>Wiswesser Line Notation</b> QY1&Y1&1		c,II/c,I 314.8 K,	$\Delta H = 12410 \text{ J}\cdot\text{mol}^{-1}$
<b>Evaluation</b> B		c,II/liq 403.3 K,	$\Delta S = 39.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
 			$\Delta H = 4440 \text{ J}\cdot\text{mol}^{-1}$
			$\Delta S = 10.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
		<b>Molecular Weight</b> 104.1486	
		<b>Wiswesser Line Notation</b> Q1X1&1&1Q	
		<b>Evaluation</b> B	
$C_5H_{12}O$ (liq)	76CON/GIN	$C_5H_{12}O_2$ (c)	88ZHA/ZOU
3-Pentanol		2,2-Dimethyl-1,3-propanediol	
<b>Heat Capacity</b> 298 K, $C_p = 239.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K, $C_p = 183.18 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
One temperature.		Temperature range 270 to 440 K.	
<b>Molecular Weight</b> 88.1492		<b>Phase Changes</b>	
<b>Wiswesser Line Notation</b> QY2&2		c,II/c,I 314.8 K,	$\Delta H = 12410 \text{ J}\cdot\text{mol}^{-1}$
<b>Evaluation</b> B		c,II/liq 403.3 K,	$\Delta S = 39.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
 			$\Delta H = 4440 \text{ J}\cdot\text{mol}^{-1}$
			$\Delta S = 10.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
		<b>Molecular Weight</b> 104.1486	
		<b>Wiswesser Line Notation</b> Q1X1Q&1&1	
		<b>Evaluation</b> B	
$C_5H_{12}O_2$ (liq)	84BAG/BAE	$C_5H_{12}O_2$ (liq)	73KUS/SUU
2,2-Dimethoxypropane		3-Oxa-1-hexanol; 2-n-Propoxyethanol	
<b>Heat Capacity</b> 298.15 K, $C_p = 218.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K, $C_p = 241.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 273 to 334 K. $C_p(\text{liq}) = 2.75970 - 0.007898T + 1.9 \times 10^{-5}T^2 \text{ kJ/kg}\cdot\text{K}$ (273 to 334 K).		One temperature.	
<b>Molecular Weight</b> 104.1486		<b>Molecular Weight</b> 104.1486	
<b>Wiswesser Line Notation</b> 1OXO1		<b>Wiswesser Line Notation</b> Q2O3	
<b>Evaluation</b> B		<b>Evaluation</b> B	

$C_5H_{12}O_2$ (liq)		78ROU/PER	$C_p = 244.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	$c_{II/c,I}$	457 K,	$\Delta H = 35146 \text{ J} \cdot \text{mol}^{-1}$	50HOS/NAG
3-Oxa-1-hexanol; 2-n-Propoxyethanol						$\Delta S = 76.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Heat Capacity</b>	298.15 K,			$c,I/liq$	529 K,	$\Delta H = 5439 \text{ J} \cdot \text{mol}^{-1}$	
One temperature.						$\Delta S = 10.28 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Molecular Weight</b>	104.1486						
<b>Wiswesser Line Notation</b>	Q2O3						
<b>Evaluation</b>	C						
$C_5H_{12}O_2$ (liq)		73KUS/SUU					
4-Methyl-3-oxa-1-pentanol; 2-Isopropoxyethanol							
<b>Heat Capacity</b>	298.15 K,	$C_p = 238.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$					
One temperature.							
<b>Molecular Weight</b>	104.1486						
<b>Wiswesser Line Notation</b>	Q2OY1&1						
<b>Evaluation</b>	B						
$C_5H_{12}O_2$ (liq)		35MIL					
1,5-Pentanediol							
<b>Heat Capacity</b>							
Temperature range 100 to 298 K. Data in thesis only.							
<b>Entropy</b>	298.15 K,	$S = 321.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$					
Extrapolation below 90 K, 78.49 $\text{J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .							
<b>Phase Changes</b>							
$c/liq$	248.0 K,	$\Delta H = 15728 \text{ J} \cdot \text{mol}^{-1}$					
		$\Delta S = 63.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$					
<b>Molecular Weight</b>	104.1486						
<b>Wiswesser Line Notation</b>	Q5Q						
<b>Evaluation</b>	C						
$C_5H_{12}O_3$ (c)		70MUR/BRE					
2-Hydroxymethyl-2-methyl-1,3-propanediol; Trimethylethane							
<b>Phase Changes</b>							
$c,II/c,I$	354 K,	$\Delta H = 23174 \text{ J} \cdot \text{mol}^{-1}$					
		$\Delta S = 65.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$					
$c,I/liq$	470 K,	$\Delta H = 5379 \text{ J} \cdot \text{mol}^{-1}$					
		$\Delta S = 11.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$					
<b>Molecular Weight</b>	120.1480						
<b>Wiswesser Line Notation</b>	Q1X1&1Q1Q						
<b>Evaluation</b>	A						
$C_5H_{12}O_3$ (c)		90SUE/MAT					
2-Hydroxymethyl-2-methyl-1,3-propanediol; Trimethylethane							
<b>Heat Capacity</b>	299.15 K,	$C_p = 182.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$					
Temperature range 18 to 375 K. Unsmoothed experimental datum.							
<b>Phase Changes</b>							
$c,II/c,I$	358.2 K,	$\Delta H = 21240 \text{ J} \cdot \text{mol}^{-1}$					
		$\Delta S = 59.28 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$					
$c,I/liq$	474 K,	$\Delta H = 4700 \text{ J} \cdot \text{mol}^{-1}$					
		$\Delta S = 9.89 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$					
<b>Molecular Weight</b>	120.1480						
<b>Wiswesser Line Notation</b>	Q1X1&1Q1Q						
<b>Evaluation</b>	A						
$C_5H_{12}O_3 \cdot 4H_2O$ (c)		91LAU/TEI					
2-Hydroxymethyl-2-methyl-1,3-propanediol		tetrahydrate;					
Trimethylethane tetrahydrate							
<b>Phase Changes</b>							
$c/liq$	302.95 K,	$\Delta H = 35559 \text{ J} \cdot \text{mol}^{-1}$					
<b>Molecular Weight</b>	192.2088						
<b>Wiswesser Line Notation</b>	Q1X1&1Q1Q & QH 4						
<b>Evaluation</b>	B						
$C_5H_{12}O_4$ (c)		89ZHA/YAN					
2,2-Bis(hydroxymethyl)-1,3-dihydroxypropane; Pentaerythritol							
<b>Heat Capacity</b>	298.98 K,	$C_p = 188.40 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$					
Temperature range 277 to 510 K.							
<b>Phase Changes</b>							
$c,II/c,I$	461.60 K,	$\Delta H = 41380 \text{ J} \cdot \text{mol}^{-1}$					
		$\Delta S = 89.64 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$					
<b>Molecular Weight</b>	136.1474						
<b>Wiswesser Line Notation</b>	Q1X1Q1Q1Q						
<b>Evaluation</b>	A						
$C_5H_{12}O_4$ (c)		90BAR/DEL					
2,2-Bis(hydroxymethyl)-1,3-dihydroxypropane; Pentaerythritol							
<b>Phase Changes</b>							
$c,II/c,I$	458.3 K,	$\Delta H = 40500 \text{ J} \cdot \text{mol}^{-1}$					
		$\Delta S = 88.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$					
$c,I/liq$	513.2 K,	$\Delta H = 4600 \text{ J} \cdot \text{mol}^{-1}$					
		$\Delta S = 9.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$					
<b>Molecular Weight</b>	136.1474						
<b>Wiswesser Line Notation</b>	Q1X1Q1Q1Q						
<b>Evaluation</b>	A						

$C_5H_{12}O_5$ (c)		90BAR/DEL	$C_5H_{12}S$ (gls)	74MES/FIN
Adonitol; 1,2,3,4,5-Pentahydroxypentane; Ribitol	1,2,3,4,5-Pentanepentol;		3-Methyl-1-butanethiol; Isoamyl mercaptan	
<b>Phase Changes</b>			<b>Heat Capacity</b> 103 K,	$C_p = 93.72 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c/liq	374.7 K,	$\Delta H = 37600 \text{ J} \cdot \text{mol}^{-1}$	Temperature range 10 to 103 K.	
		$\Delta S = 100.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b> 104.2098	
<b>Molecular Weight</b>	152.1468		<b>Wiswesser Line Notation</b> SH2Y1&1	
<b>Wiswesser Line Notation</b>	Q1YQYQYQ1Q -AAA		<b>Evaluation</b> A	
<b>Evaluation</b>	A			
$C_5H_{12}O_5$ (c)		90BAR/DEL	$C_5H_{12}S$ (liq)	74MES/FIN
xylo-1,2,3,4,5-Pentanepentol; Xylitol			3-Methyl-1-butanethiol; Isoamyl mercaptan	
<b>Phase Changes</b>			<b>Heat Capacity</b> 298.15 K,	$C_p = 200.33 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c/liq	365.7 K,	$\Delta H = 37400 \text{ J} \cdot \text{mol}^{-1}$	Temperature range 12 to 370 K.	
		$\Delta S = 102.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Entropy</b> 298.15 K,	$S = 298.49 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	152.1468		<b>Phase Changes</b>	
<b>Wiswesser Line Notation</b>	Q1YQYQYQ1O -ABA		c/liq	139.635 K,
<b>Evaluation</b>	A			$\Delta H = 7406 \text{ J} \cdot \text{mol}^{-1}$
				$\Delta S = 53.04 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	104.2098			
<b>Wiswesser Line Notation</b>	SH2Y1&1			
<b>Evaluation</b>	A			
$C_5H_{12}O_5$ (c)		90BAR/DEL	$C_5H_{12}S$ (liq)	52FIN/SCO
1,2,3,4,5-Pentahydroxypentane; Arabinitol(D); Arabitol(D)	1,2,3,4,5-Pentanepentol;		1-Pentanethiol; n-Amyl mercaptan	
<b>Phase Changes</b>			<b>Heat Capacity</b> 296.21 K,	$C_p = 201.17 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c/liq	379.4 K,	$\Delta H = 38900 \text{ J} \cdot \text{mol}^{-1}$	Temperature range 12 to 320 K. Value is unsmoothed experimental datum.	
		$\Delta S = 102.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Entropy</b> 298.15 K,	$S = 310.37 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	152.1468		<b>Phase Changes</b>	
<b>Wiswesser Line Notation</b>	Q1YQYQYQ1Q -BAA		c/liq	197.46 K,
<b>Evaluation</b>	A			$\Delta H = 17531 \text{ J} \cdot \text{mol}^{-1}$
				$\Delta S = 88.78 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	104.2098			
<b>Wiswesser Line Notation</b>	SH5			
<b>Evaluation</b>	A			
$C_5H_{12}S$ (liq)		62SCO/GOO	$C_5H_{12}S$ (liq)	62SCO/DOU
3,3-Dimethyl-2-thiabutane; Methyl tert-butyl sulfide			2-Methyl-2-butanethiol; tert-Amyl mercaptan	
<b>Heat Capacity</b>	298.15 K,	$C_p = 199.95 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p = 198.15 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 15 to 364 K.			Temperature range 10 to 350 K.	
<b>Entropy</b>	298.15 K,	$S = 276.14 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Entropy</b> 298.15 K,	$S = 290.12 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Phase Changes</b>			<b>Phase Changes</b>	
c/liq	190.84 K,	$\Delta H = 8414 \text{ J} \cdot \text{mol}^{-1}$	c,II,c,I	159.1 K,
		$\Delta S = 44.09 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		$\Delta H = 7979.3 \text{ J} \cdot \text{mol}^{-1}$
<b>Molecular Weight</b>	104.2098			$\Delta S = 50.15 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b>	1X1&1&S1			Lambda transition at about 145 K.
<b>Evaluation</b>	A		c,I/liq	169.3 K,
				$\Delta H = 608.4 \text{ J} \cdot \text{mol}^{-1}$
				$\Delta S = 3.59 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	104.2098			
<b>Wiswesser Line Notation</b>	SHX1&1&2			
<b>Evaluation</b>	A			
$C_5H_{12}S$ (liq)		61MCC/FIN	$C_5H_{12}S$ (liq)	74MES/FIN
3-Thiahexane; Ethyl n-propyl sulfide			3-Methyl-2-butanethiol	
<b>Heat Capacity</b>	298.15 K,	$C_p = 198.41 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p = 198.95 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 11 to 370 K.			Temperature range 10 to 390 K.	
<b>Entropy</b>	298.15 K,	$S = 309.53 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Entropy</b> 298.15 K,	$S = 295.60 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Phase Changes</b>			<b>Phase Changes</b>	
c/liq	156.10 K,	$\Delta H = 10581 \text{ J} \cdot \text{mol}^{-1}$	c,II,c,I	144.47 K,
		$\Delta S = 67.78 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		$\Delta H = 7063 \text{ J} \cdot \text{mol}^{-1}$
<b>Molecular Weight</b>	104.2098			$\Delta S = 48.89 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b>	3S2		c,I/liq	146.05 K,
<b>Evaluation</b>	A			$\Delta H = 607.1 \text{ J} \cdot \text{mol}^{-1}$
				$\Delta S = 4.16 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	104.2098			
<b>Wiswesser Line Notation</b>	SHY1&Y1&1			
<b>Evaluation</b>	A			
$C_5H_{12}S$ (liq)		61MCC/FIN	<b>Molecular Weight</b> 104.2098	
2-Thiahexane; n-Butyl methyl sulfide			<b>Wiswesser Line Notation</b>	
<b>Heat Capacity</b>	298.15 K,	$C_p = 200.92 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	SHY1&Y1&1	
Temperature range 11 to 370 K.				
<b>Entropy</b>	298.15 K,	$S = 307.48 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
<b>Phase Changes</b>				
c/liq	175.30 K,	$\Delta H = 12452 \text{ J} \cdot \text{mol}^{-1}$		
		$\Delta S = 71.03 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
<b>Molecular Weight</b>	104.2098			
<b>Wiswesser Line Notation</b>	4S1			
<b>Evaluation</b>	A			

<b>C<sub>5</sub>H<sub>12</sub>S<sub>4</sub></b> (c,II)	43BAC/PER	(C <sub>5</sub> H <sub>12</sub> Si) <sub>n</sub> (gls)	75RAB/LEB
Tetrakis(methylthia)methane		Polyvinyltrimethylsilane	
<b>Heat Capacity</b> 307 K,		<b>Heat Capacity</b> 300 K,	$C_p = 179.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
$C_p = 146.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ Mean value 23.2 to 45.5°C. Value for c,III at 23.2°C=133.9 J·mol <sup>-1</sup> ·K <sup>-1</sup> ; c,I, between 45.5 and 65.5°C=197.5 J·mol <sup>-1</sup> ·K <sup>-1</sup> ; liquid at 65.5°C= 216.7 J·mol <sup>-1</sup> ·K <sup>-1</sup> .		Temperature range 50 to 300 K.	
<b>Phase Changes</b>		<b>Entropy</b> 300 K,	$S = 217.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c,III/c,II 296.4 K, $\Delta H = 6110 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 20.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Molecular Weight</b> 100.2353	
c,II/c,I 318.7 K, $\Delta H = 7610 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 23.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Wiswesser Line Notation</b> /*1Y*-SI-1&1&1/ Evaluation A	
c,I/liq 338.7 K, $\Delta H = 4140 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 12.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
<b>Molecular Weight</b> 200.3898			
<b>Wiswesser Line Notation</b> 1SX51&S1&S1			
<b>Evaluation</b> C			
<b>C<sub>5</sub>H<sub>12</sub>Si</b> (liq)	75RAB/LEB	(C <sub>5</sub> H <sub>12</sub> Si) <sub>n</sub> (c)	78LEB/RAB3
Vinyltrimethylsilane		Poly-1,1-dimethyl-1-silatrimethylene	
<b>Heat Capacity</b> 300 K, $C_p = 198.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K, $C_p = 170.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 50 to 300 K.		Temperature range 8 to 330 K. $C_p$ (rubber like elastic state, 298.15 K)=199.5 J/mol·K.	
<b>Entropy</b> 300 K, $S = 313.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Entropy</b> 298.15 K, $S = 194.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Phase Changes</b>		$S$ (rubber like elastic state, 298.15 K)=217.9 J/mol·K.	
c/liq 141.65 K, $\Delta H = 7657 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 54.06 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
<b>Molecular Weight</b> 100.2353			
<b>Wiswesser Line Notation</b> 1U1-SI-1&1&1			
<b>Evaluation</b> A		100% crystallinity.	$T(\text{glass}) = 201 \text{ K.}$
<b>C<sub>5</sub>H<sub>12</sub>Si</b> (liq)	73LEB/TSV	(C <sub>5</sub> H <sub>12</sub> Si) <sub>n</sub> (gls)	73LEB/TSV
Vinyltrimethylsilane		Polyvinyltrimethylsilane	
<b>Heat Capacity</b> 300 K, $C_p = 198.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 300 K, $C_p = 179.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 10 to 300 K.		Temperature range 10 to 300 K.	
<b>Entropy</b> 300 K, $S = 313.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Entropy</b> 300 K, $S = 217.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Phase Changes</b>		<b>Molecular Weight</b> 100.2353	
c/liq 141.57 K, $\Delta H = 7657 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 54.06 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Wiswesser Line Notation</b> /*1Y*-SI-1&1&1/ Evaluation A	
<b>Molecular Weight</b> 100.2353			
<b>Wiswesser Line Notation</b> 1U1-SI-1&1&1			
<b>Evaluation</b> A			
<b>C<sub>5</sub>H<sub>12</sub>Si</b> (liq)	81LEB/LEB	(C <sub>5</sub> H <sub>12</sub> Si) <sub>n</sub> (c)	81LEB/LEB
Vinyltrimethylsilane		Polyvinyltrimethylsilane	
<b>Heat Capacity</b> 298.15 K, $C_p = 198.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K, $C_p = 166.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 5 to 330 K.		Temperature range 5 to 330 K.	
<b>Entropy</b> 298.15 K, $S = 312.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Entropy</b> 298.15 K, $S = 189.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Phase Changes</b>		<b>Molecular Weight</b> 100.2353	
c/liq 141.57 K, $\Delta H = 7660 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 54.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Wiswesser Line Notation</b> /*1Y*-SI-1&1&1/ Evaluation A	
<b>Molecular Weight</b> 100.2353			
<b>Wiswesser Line Notation</b> 1U1-SI-1&1&1			
<b>Evaluation</b> A			
<b>C<sub>5</sub>H<sub>12</sub>Si</b> (c)	75GUS/KAR	<b>C<sub>5</sub>H<sub>13</sub>N</b> (liq)	80ROU/ROB
1,1-Dimethyl-1-silacyclobutane		Diethylmethylamine	
<b>Heat Capacity</b> 298.15 K, $C_p = 197.53 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K, $C_p = 200 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 10 to 300 K. Data given graphically.		One temperature.	
<b>Entropy</b> 298.15 K, $S = 279.49 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Molecular Weight</b> 87.1644	
<b>Phase Changes</b>		<b>Wiswesser Line Notation</b> 2N2&1	
c/liq 155.52 K, $\Delta H = 6761 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 43.51 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Evaluation</b> B	
liq/g 355.91 K, $\Delta H = 32141 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 90.29 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
<b>Molecular Weight</b> 100.2353			
<b>Wiswesser Line Notation</b> T4-SI-TJ A1 A1			
<b>Evaluation</b> B			
<b>C<sub>5</sub>H<sub>13</sub>N</b> (liq)	01KAH		
1-Aminopentane; n-Amylamine; n-Pentylamine			
<b>Heat Capacity</b> $C_p = 223.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
Temperature range 294.15 to 403.15 K. Heat capacity is an average value over the temperature range.			
<b>Molecular Weight</b> 87.1644			
<b>Wiswesser Line Notation</b> Z5			
<b>Evaluation</b> D			

$C_5H_{13}N$ (liq)	71KON/WAD	$C_5H_{14}N_2$ (liq)	81LEB/RYA
1-Aminopentane; n-Amylamine; n-Pentylamine		N,N-Dimethyl-1,3-propanediamine	
<b>Heat Capacity</b> 198.15 K, $C_p = 218 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 295.96 K,	$C_p = 249.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
One temperature.		Temperature range 296 to 359 K.	
<b>Molecular Weight</b> 87.1644		<b>Molecular Weight</b> 102.1790	
Wiswesser Line Notation Z5		Wiswesser Line Notation Z3N1&1	
Evaluation B		Evaluation B	
$C_5H_{13}NO$ (liq)	81LEB/RYA	$C_5H_{14}N_2$ (liq)	82DZH/KAR
Methylethylethanamine		N,N-Dimethyl-1,3-propanediamine	
<b>Heat Capacity</b> $C_p = 256.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K,	$C_p = 255.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 298 to 343 K. Heat capacity is an average value over the temperature range.		Temperature range 12 to 300 K.	
<b>Molecular Weight</b> 103.1638		<b>Entropy</b> 298.15 K,	$S = 323.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Wiswesser Line Notation Q2N2&1		<b>Phase Changes</b>	
Evaluation B		c/liq 194.43 K, $\Delta H = 12385 \text{ J} \cdot \text{mol}^{-1}$	$\Delta S = 63.70 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
 		Glass to crystal transition at 135 K shown graphically.	
$C_5H_{13}O_2$ (liq)	91SVO/ZAB	<b>Molecular Weight</b> 102.1790	
2-Propoxyethanol		Wiswesser Line Notation Z3N1&1	
<b>Heat Capacity</b> 298.15 K, $C_p = 241.78 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		Evaluation A	
Temperature range 298 to 330 K. C:(liq)=118.555 + 0.4133(T/K) $\text{J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ . $C_p$ value calculated from equation.		 	
<b>Molecular Weight</b> 105.1565		$C_5H_{14}N_2$ (liq)	84LEB/GU
Wiswesser Line Notation Q2O3		N,N-Dimethyl-1,3-propanediamine	
Evaluation B		<b>Heat Capacity</b> 298 K,	$C_p = 248.71 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
 		Temperature range 295 to 360 K.	
$C_5H_{14}ClN$ (c,I)	33SOU/MIL	<b>Phase Changes</b>	
n-Amyl ammonium chloride; n-Pentyl ammonium chloride		liq/g 406 K $P = 9.972 \times 10^4 \text{ kPa}$	
<b>Heat Capacity</b> 278.19 K, $C_p = 213.38 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Molecular Weight</b> 102.1790	
Temperature range 20 to 280 K. Value is unsmoothed experimental datum.		Wiswesser Line Notation Z3N1&1	
<b>Entropy</b> 298.15 K, $S = 266.69 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		Evaluation B	
<b>Phase Changes</b>		$\Delta H$ vaporization=44100 $\text{J} \cdot \text{mol}^{-1}$ , temperature range=290 to 317 K	
c,III/c,II 221.5 K, $\Delta H = 1184 \text{ J} \cdot \text{mol}^{-1}$		 	
		$\Delta S = 5.35 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
c,II/c,I 246.5 K, $\Delta H = 134 \text{ J} \cdot \text{mol}^{-1}$		 	
		$\Delta S = 0.54 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Molecular Weight</b> 123.6253		 	
Wiswesser Line Notation M5 & GH		$C_5H_{16}Cl_4MnN_2$ (c)	87CHH/AB
Evaluation A		Pentyldiamine manganese tetrachloride	
 		<b>Heat Capacity</b>	
$C_5H_{14}Cl_2N_2O_2$ (c)	40HUF/ELL	Temperature range 10 to 300 K. Data given graphically.	
Ornithine dihydrochloride		<b>Phase Changes</b>	
<b>Heat Capacity</b> 292.8 K, $C_p = 238.36 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		c,II/c,I 299.5 K, $\Delta S = 8.24 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 85 to 293 K. Value is unsmoothed experimental datum.		<b>Molecular Weight</b> 300.9448	
<b>Entropy</b> 298.1 K, $S = 293.93 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		Wiswesser Line Notation Z5Z & GH 2 .MN G2	
Extrapolation below 90 K, 89.16 $\text{J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .		Evaluation A	
<b>Molecular Weight</b> 205.0838		Second order transition at 210 to 327 K, with a maximum at 299.5 K	
Wiswesser Line Notation Z3YZVQ & GH2		 	
Evaluation A( $C_p$ ),C(S)		 	
 		$C_5H_{16}Cl_4MnN_2$ (c)	88CHH/AB
$C_5H_{14}NO_6P$ (c)	89MAE/ATA	Pentyldiamine manganese tetrachloride	
Betaine phosphate		<b>Heat Capacity</b> 298.15 K, $C_p = 424.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Heat Capacity</b>		Temperature range 10 to 330 K.	
Temperature range 7 to 300 K. Data given graphically over transition region.		<b>Entropy</b> 298.15 K, $S = 407.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Phase Changes</b>		<b>Phase Changes</b>	
c,III/c,II 82.67 K		c,II/c,I 299.6 K, $\Delta H = 2240 \text{ J} \cdot \text{mol}^{-1}$	
c,II/c,I 87.11 K, $\Delta H = 34 \text{ J} \cdot \text{mol}^{-1}$		$\Delta S = 8.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
		<b>Molecular Weight</b> 300.9448	
		Wiswesser Line Notation Z5Z & GH 2 .MN G2	
Total for both transitions.		Evaluation A	
<b>Molecular Weight</b> 215.1425		$C_p$ data is high due to c,II/c,I transition at 210 to 327 K.	
Wiswesser Line Notation OVIN1&1&1 & QPO&QQ			
Evaluation B			

$C_5H_{30}Bi_2Br_{11}N_5$ (c)	92PAW/JAK	$C_6Cl_3F_3$ (c)	69PAU/GLU
Methylammonium bismuth bromide; Pentakis(methylammonium) undecabromodibismuthate		1,3,5-Trichloro-2,4,6-trichlorobenzene	
<b>Heat Capacity</b>		<b>Heat Capacity</b>	$C_p = 197.95 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 273 to 333 K. Data given graphically.		Temperature range 13 to 355 K.	
<b>Molecular Weight</b> 1457.2303		<b>Entropy</b>	$S = 245.35 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b> ZH&1 5 -BI- 2 E 11		<b>Phase Changes</b>	
<b>Evaluation</b> C		c/liq	$\Delta H = 19849 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 59.40 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
$C_5H_{30}Bi_2Br_{11}N_5$ (c)	92STR/TAR	Smoothed table gives $\Delta H = 4712 \text{ cal} \cdot \text{mol}^{-1}$ , $\Delta S = 14.12 \text{ cal} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .	
Methylammonium bismuth bromide; Pentakis(methylammonium) undecabromodibismuthate		<b>Molecular Weight</b> 235.4202	
<b>Heat Capacity</b> 300 K, $C_p = 960 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Wiswesser Line Notation</b> GR CG EF BF DF FF	
Temperature range 74 to 340 K. Data given graphically. $C_p$ value is a graphical estimate.		<b>Evaluation</b>	B
<b>Phase Changes</b> Anom 75 K		$C_6Cl_3F_3$ (c)	73AND/MAR2
c,II/c,I 309 K, $\Delta H = 5140 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 17.61 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		1,3,5-Trichloro-2,4,6-trichlorobenzene	
<b>Molecular Weight</b> 1457.2303		<b>Heat Capacity</b>	$C_p = 197.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b> ZH&1 5 -BI- 2 E 11		Temperature range 14 to 347 K.	
<b>Evaluation</b>	B	<b>Entropy</b>	$S = 243.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
$C_6BrF_5$ (liq)	75PAU2	<b>Phase Changes</b>	
Bromopentafluorobenzene		c/liq	$\Delta H = 19830 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 59.19 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Entropy</b> 298.15 K, $S = 311.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		Anomalous heat capacity between 285 and 305 K. Enthalpy of transition $18.1 \text{ J} \cdot \text{mol}^{-1}$ (excess over extrapolated heat capacities).	
<b>Molecular Weight</b> 246.9620		<b>Molecular Weight</b> 235.4202	
<b>Wiswesser Line Notation</b> FR BE CF DF EF FF		<b>Wiswesser Line Notation</b> GR CG EF BF DF FF	
<b>Evaluation</b>	A	<b>Evaluation</b>	A
$C_6Br_2Cl_2F_9$ (liq)	88SVO/VES	$C_6Cl_4KO_2$ (c,I)	77KOS/SOR
1,6-Dibromo-2,3,5-trichlorononafluorohexane		p-Chloranil potassium	
<b>Heat Capacity</b> 298.16 K, $C_p = 418.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b>	$C_p = 239.67 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 298.15 to 318.15 K. $C_p$ (J·mol <sup>-1</sup> ·K <sup>-1</sup> ) = 335.6 + 0.278 (T/K) (298–318 K).		Temperature range 14 to 331 K.	
<b>Molecular Weight</b> 509.2186		<b>Entropy</b>	$S = 313.97 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b> FXFEXGFXGFXFFXGFXFFE		<b>Phase Changes</b>	
<b>Evaluation</b>	A	c,II/c,I 260.01 K,	$\Delta H = 2796 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 11.06 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
$C_6ClF_5$ (liq)	68AND/COU2	$C_6Cl_4O_2$ (c,I)	73CHI/MAS
Pentafluorochlorobenzene		Chloranil; Tetrachloro-p-benzoquinone	
<b>Heat Capacity</b> 298.15 K, $C_p = 221.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b>	$C_p = 193.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 12 to 395 K.		Temperature range 11 to 300 K.	
<b>Entropy</b> 298.15 K, $S = 300.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Entropy</b>	$S = 258.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Phase Changes</b>		<b>Phase Changes</b>	
c,III/c,II 191 K, $\Delta H = 3636 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 19.04 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		c,II/c,I 92 K,	$\Delta H = 38 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 0.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Entropy change reported as $17.91 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ from integration of excess heat capacity. Value given assumes isothermal transition.		Lambda transition, 70 to 100 K.	
c,II/c,I 245 K, $\Delta H = 983 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 4.01 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Molecular Weight</b> 284.9751	
c,I/liq 257.49 K, $\Delta H = 8355 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 32.45 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Wiswesser Line Notation</b> L6V DVJ BG CG EG FG .KA	
<b>Molecular Weight</b> 202.5110		<b>Evaluation</b>	A
<b>Wiswesser Line Notation</b> GR BF CF DF EF FF		$C_6Cl_6$ (c)	28AND/HAW
<b>Evaluation</b>	A	Hexachlorobenzene; Perchlorobenzene	
$C_6ClF_5$ (liq)	69PAU/GLU2	<b>Heat Capacity</b>	$C_p = 257.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Pentafluorochlorobenzene		Temperature range 101 to 336 K. Value is unsmoothed experimental datum.	
<b>Heat Capacity</b> 298.15 K, $C_p = 223.17 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Molecular Weight</b> 284.7840	
Temperature range 13 to 303 K.		<b>Wiswesser Line Notation</b> GR BG CG DG EG FG	
<b>Entropy</b> 298.15 K, $S = 303.59 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Evaluation</b>	C
<b>Phase Changes</b>			
c,II/c,I 191.2 K, $\Delta H = 1243 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 6.50 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
c,I/liq 257.29 K, $\Delta H = 8397 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 32.64 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
<b>Molecular Weight</b> 202.5110			
<b>Wiswesser Line Notation</b> GR BF CF DF EF FF			
<b>Evaluation</b>	A		

$C_6Cl_6$ (c)		58HIL/KRA	$C_6D_{12}$ (liq)		80MRA/NA/
Hexachlorobenzene; Perchlorobenzene			Cyclohexane-d <sub>12</sub>		
<b>Heat Capacity</b>	298.15 K,	$C_p=201.29 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p=188.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 15 to 300 K.			Temperature range 120 to 323.15 K.		
<b>Entropy</b>	298.15 K,	$S=260.24 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Entropy</b>	298.15 K,	$S=228.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	284.7840		<b>Phase Changes</b>		
<b>Wiswesser Line Notation</b>	GR BG CG DG EG FG		c,II/c,I	186.0 K,	$\Delta H=6810 \text{ J} \cdot \text{mol}^{-1}$
<b>Evaluation</b>	A		c,II/liq	277.2 K,	$\Delta S=36.61 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
					$\Delta H=2620 \text{ J} \cdot \text{mol}^{-1}$
					$\Delta S=9.452 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
$C_6Cl_6$ (c)		91SAB/AN2	<b>Molecular Weight</b>	96.2556	
Hexachlorobenzene; Perchlorobenzene			<b>Wiswesser Line Notation</b>	L6TJ &1A-F/H-2 12	
<b>Phase Changes</b>			<b>Evaluation</b>	A	
c/liq	502.02 K,	$\Delta H=25180 \text{ J} \cdot \text{mol}^{-1}$			
		$\Delta S=50.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
<b>Molecular Weight</b>	284.7840		$C_6D_{17}BeF_4N_3O_6$ (c)		79LOI/OSI
<b>Wiswesser Line Notation</b>	GR BG CG DG EG FG		Triglycine fluoroberyllate, deuterated		
<b>Evaluation</b>	B		<b>Heat Capacity</b>	300 K,	$C_p=447.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
			Temperature range 294 to 340 K.	$C_p=0.326 \text{ cal} \cdot \text{g}^{-1} \cdot \text{K}^{-1}$ ,	92% deuterated.
$C_6Cl_6$ (c)		92SAB/ELW3	<b>Phase Changes</b>		
Hexachlorobenzene; Perchlorobenzene			c,II/c,I		$\Delta H=1153 \text{ J} \cdot \text{mol}^{-1}$
<b>Phase Changes</b>			No temperature given.		
c/liq	501.87 K,	$\Delta H=24960 \text{ J} \cdot \text{mol}^{-1}$	<b>Molecular Weight</b>	324.2166	
<b>Molecular Weight</b>	284.7840		<b>Wiswesser Line Notation</b>	Z1VQ 3 &H2 .BE F4 &1/H-2 2	
<b>Wiswesser Line Notation</b>	GR BG CG DG EG FG		&2/H-2 2 &4/H-2 1 &9/H-2 2		
<b>Evaluation</b>	A		<b>Evaluation</b>	B	
$C_6D_6$ (liq)		42ZIE/AND			
Benzene-d <sub>6</sub>			$C_6D_{17}BeF_4N_3O_6$ (c)		81LOI/KO
<b>Heat Capacity</b>	298.5 K,	$C_p=149.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Triglycine fluoroberyllate, deuterated		
Temperature range 100 to 320 K. Value is unsmoothed experimental datum.			<b>Heat Capacity</b>	308 K,	$C_p=448 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Phase Changes</b>			One temperature. $C_p(35^\circ\text{C})=0.33 \text{ cal} \cdot \text{g}^{-1} \cdot {}^\circ\text{C}^{-1}$ .		
c/liq	279.85 K,	$\Delta H=9791 \text{ J} \cdot \text{mol}^{-1}$	<b>Molecular Weight</b>	324.2166	
		$\Delta S=34.99 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Wiswesser Line Notation</b>	Z1VQ 3 &H2 .BE F4 &1/H-2 2	
<b>Molecular Weight</b>	84.1506		&2/H-2 2 &4/H-2 1 &9/H-2 2		
<b>Wiswesser Line Notation</b>	R &1A-F/H-2 6		<b>Evaluation</b>	B	
<b>Evaluation</b>	B		70% deuterated.		
$C_6D_6$ (liq)		62RAB/NIK	$C_6D_{17}BeF_4N_3O_6$ (c)		81LOI/KOS
Benzene-d <sub>6</sub>			Triglycine fluoroberyllate, deuterated		
<b>Heat Capacity</b>	298 K,	$C_p=152.46 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298 K,	$C_p=430 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 10 to 35 °C.			Temperature range 294 to 375 K. $C_p$ given at "room temperature" as 0.317 cal · K <sup>-1</sup> · g <sup>-1</sup> . Data given graphically.		
<b>Molecular Weight</b>	84.1506		<b>Phase Changes</b>		
<b>Wiswesser Line Notation</b>	R &1A-F/H-2 6		c,II/c,I	345 K,	$\Delta H=813 \text{ J} \cdot \text{mol}^{-1}$
<b>Evaluation</b>	B				$\Delta S=2.36 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
			Ferroelectric transition.		
$C_6D_{12}$ (liq)		66NIK/RAB	<b>Molecular Weight</b>	324.2166	
Cyclohexane-d <sub>12</sub>			<b>Wiswesser Line Notation</b>	Z1VQ 3 &H2 .BE F4 &1/H-2 2	
<b>Heat Capacity</b>	298 K,	$C_p=183.84 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	&2/H-2 2 &4/H-2 1 &9/H-2 2		
Temperature range 10 to 50 °C.			<b>Evaluation</b>	C	
<b>Molecular Weight</b>	96.2556		Sample is 70% deuterated.		
<b>Wiswesser Line Notation</b>	L6TJ &1A-F/H-2 12				
<b>Evaluation</b>	B				
$C_6D_{17}N_4O_1S$ (c)		75CAM/GO	$C_6D_{17}N_4O_1S$ (c)		
Triglycine sulfate, deuterated			Triglycine sulfate, deuterated		
<b>Heat Capacity</b>	300 K,	$C_p=390 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	300 K,	$C_p=390 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 100 to 400 K. Data given graphically; C estimated from graph.			Temperature range 100 to 400 K. Data given graphically; C estimated from graph.		
<b>Phase Changes</b>			<b>Phase Changes</b>		
c,II/c,I	331.75 K,	$\Delta H=571 \text{ J} \cdot \text{mol}^{-1}$	c,II/c,I	331.75 K,	$\Delta H=571 \text{ J} \cdot \text{mol}^{-1}$
		$\Delta S=1.72 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			$\Delta S=1.72 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	338.7013		<b>Molecular Weight</b>	338.7013	
<b>Wiswesser Line Notation</b>	Z1VQ 3 &WSQQ &1/H-2 2 &1/H-2 2 &4/H-2 1 &11/H-2 1 &12/H-2 1				
<b>Evaluation</b>	D( $C_p$ ); B(Phase changes)				
			Degree of deuteration not indicated, assumed 90%.		

$C_6D_{17}N_3O_{10}S$ (c)	79LOI/OSB	$C_6F_6$ (liq)	82GOR/SIM
Triglycine sulfate, deuterated		Hexafluorobenzene; Perfluorobenzene	
<b>Heat Capacity</b> 300 K, $C_p = 438 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 298.76 K, $C_p = 221.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 294 to 340 K. $C_p = 0.309 \text{ cal}\cdot\text{g}^{-1}\cdot\text{K}^{-1}$ . 90% deuterated.		Temperature range 284 to 350 K. Value is unsmoothed experimental datum. $C_p$ (298.76 K) given as $1.1892 \text{ J}\cdot\text{K}^{-1}\cdot\text{g}^{-1}$ .	
<b>Molecular Weight</b> 338.7013		<b>Molecular Weight</b> 186.0564	
<b>Wiswesser Line Notation</b> Z1VQ 3 & WSQQ & 1/H-2 2 & 1/H-2 2 & 4/H-2 1 & 11/H-2 1 & 12/H-2 1		<b>Wiswesser Line Notation</b> FR BF CF DF EF FF	
<b>Evaluation</b> B		<b>Evaluation</b> B	
		$C_p(\text{liq}) (\text{kJ}\cdot\text{kg}^{-1}\cdot\text{K}^{-1}) = 1.19132 - 1.0716 \times 10^{-3}T + 3.59 \times 10^{-6}T^2 \text{ J}\cdot\text{K}^{-1}\cdot\text{g}^{-1}$ (325 to 728 K).	
$C_6D_{17}N_3O_{10}S$ (c)	81LOI/KOS	$C_6F_6$ (liq)	82GOR/SIM2
Triglycine sulfate, deuterated		Hexafluorobenzene; Perfluorobenzene	
<b>Heat Capacity</b> 308 K, $C_p = 468 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K, $C_p = 221.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
One temperature. $C_p(35^\circ\text{C}) = 0.33 \text{ cal}\cdot\text{g}^{-1}\cdot\text{^\circ C}^{-1}$ .		Temperature range 280 to 680 K. Data calculated from the equation: $C_p(\text{liq}) (\text{kJ}\cdot\text{kg}^{-1}\cdot\text{K}^{-1}) = 1.19132 - 1.0716 \times 10^{-3}T + 3.59 \times 10^{-6}T^2$ .	
<b>Molecular Weight</b> 338.7013		<b>Molecular Weight</b> 186.0564	
<b>Wiswesser Line Notation</b> Z1VQ 3 & WSQQ & 1/H-2 2 & 1/H-2 2 & 4/H-2 1 & 11/H-2 1 & 12/H-2 1		<b>Wiswesser Line Notation</b> FR BF CF DF EF FF	
<b>Evaluation</b> B		<b>Evaluation</b> A	
$C_6F_5NO_2$ (liq)	71PAU2	$C_6F_6$ (liq)	87WIL/LAI
Pentafluoronitrobenzene		Hexafluorobenzene; Perfluorobenzene	
<b>Heat Capacity</b> 298.15 K, $C_p = 272.96 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K, $C_p = 225.03 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 12 to 300 K.		One temperature.	
<b>Entropy</b> 298.15 K, $S = 323.13 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Molecular Weight</b> 186.0564	
<b>Phase Changes</b>		<b>Wiswesser Line Notation</b> FR BF CF DF EF FF	
c/liq 250.5 K, $\Delta H = 11807 \text{ J}\cdot\text{mol}^{-1}$		<b>Evaluation</b> B	
<b>Molecular Weight</b> 213.0635		$C_6F_{14}$ (liq)	74COC/NOR
<b>Wiswesser Line Notation</b> WNR BF CF DF EF FF		n-Perfluorohexane	
<b>Evaluation</b> A		<b>Heat Capacity</b> 273 K, $C_p = 248 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
		Temperature range 233 to 273 K.	
$C_6F_6$ (liq)	65COU/GRE	<b>Molecular Weight</b> 338.0436	
Hexafluorobenzene; Perfluorobenzene		<b>Wiswesser Line Notation</b> FXFFXFFFXXXXFFFXXXX	
<b>Heat Capacity</b> 298.15 K, $C_p = 221.58 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Evaluation</b> C	
Temperature range 10 to 310 K.			
<b>Entropy</b> 298.15 K, $S = 279.91 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		$C_6F_{14}$ (liq)	82CAM/REY
<b>Phase Changes</b>		n-Perfluorohexane	
c/liq 278.25 K, $\Delta H = 11590 \text{ J}\cdot\text{mol}^{-1}$		<b>Heat Capacity</b>	
		$C_p$ data is given graphically only. Temperature range 4.2 to 300 K.	
		<b>Phase Changes</b>	
		c,II/c,I 103 K, $\Delta H = 967 \text{ J}\cdot\text{mol}^{-1}$	
		$\Delta S = 10.00 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Molecular Weight</b> 186.0564		Transition between 90 and 130 K.	
<b>Wiswesser Line Notation</b> FR BF CF DF EF FF		c,II/liq 185 K, $\Delta H = 6837 \text{ J}\cdot\text{mol}^{-1}$	
<b>Evaluation</b> A		$\Delta S = 36.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
		<b>Molecular Weight</b> 338.0436	
$C_6F_6$ (liq)	70MES/FIN	<b>Wiswesser Line Notation</b> FXFFXFFFXXXXFFFXXXX	
Hexafluorobenzene; Perfluorobenzene		<b>Evaluation</b> A	
<b>Heat Capacity</b> 298.15 K, $C_p = 221.58 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
Temperature range 13 to 342 K.		$C_6F_{14}$ (liq)	83CAM/DIA
<b>Entropy</b> 298.15 K, $S = 280.79 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		n-Perfluorohexane	
<b>Phase Changes</b>		<b>Heat Capacity</b> 273 K, $C_p = 240.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
c/liq 278.30 K, $\Delta H = 11585 \text{ J}\cdot\text{mol}^{-1}$		Data from 82CAM/REY.	
		<b>Molecular Weight</b> 338.0436	
<b>Molecular Weight</b> 186.0564		<b>Wiswesser Line Notation</b> FXFFXFFFXXXXFFFXXXX	
<b>Wiswesser Line Notation</b> FR BF CF DF EF FF		<b>Evaluation</b> C	
<b>Evaluation</b> A		$C_p$ given as $248.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ at 273 K from Cochran, M.A. et al., J. Chem. Soc. Faraday Trans. II 70, 1274 (1974).	
$C_6F_6$ (liq)	82GOR/CRI		
Hexafluorobenzene; Perfluorobenzene			
<b>Heat Capacity</b> 300 K, $C_p = 222.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
Temperature range 280 to 353 K. Data also given by equation.			
<b>Molecular Weight</b> 186.0564			
<b>Wiswesser Line Notation</b> FR BF CF DF EF FF			
<b>Evaluation</b> B			

$C_6F_{12}N$ (liq)		79ZHO/KOS	$C_6HF_5O$ (c,I)	68AND/COU2
Perfluorotriethylamine			Pentafluorophenol	
<b>Heat Capacity</b>	298.15 K, Temperature range 9 to 300 K.	$C_p=379.49 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K, $C_p=201.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Entropy</b>	298.15 K,	$S=527.10 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Temperature range</b>	12 to 377 K.
<b>Phase Changes</b>			<b>Entropy</b>	298.15 K, $S=227.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c,II/c,II	126.0 K,	$\Delta H=-3749.7 \text{ J}\cdot\text{mol}^{-1}$	<b>Phase Changes</b>	
	Glassy (G type) transition at 108.7 K. Monotropic transition at 126.0 K with the liberation of heat.		c,II/c,I	287 K, $\Delta H=1134 \text{ J}\cdot\text{mol}^{-1}$
c,II/c,I	146.4 K,	$\Delta H=1564 \text{ J}\cdot\text{mol}^{-1}$		$\Delta S=3.95 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
		$\Delta S=10.67 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	c,I/liq	310.62 K, $\Delta H=16410 \text{ J}\cdot\text{mol}^{-1}$
	Enantiotropic transition at 146.4 K.			$\Delta S=52.82 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c,I/liq	156.2 K,	$\Delta H=5560.1 \text{ J}\cdot\text{mol}^{-1}$	<b>Molecular Weight</b>	184.0653
		$\Delta S=35.61 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Wiswesser Line Notation</b>	QR BF CF DF EF FF
<b>Molecular Weight</b>	371.0487		<b>Evaluation</b>	A
<b>Wiswesser Line Notation</b>	FXFFXX 3N			
<b>Evaluation</b>	A			
$C_6F_{15}N$ (liq)		84GOL/KOL	$C_6HF_5O$ (c,I)	69PAU/LAV
Perfluorotriethylamine			Pentafluorophenol	
<b>Phase Changes</b>			<b>Heat Capacity</b>	298.15 K, $C_p=260.66 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c/liq	156.1 K,	$\Delta H=4650 \text{ J}\cdot\text{mol}^{-1}$	<b>Temperature range</b>	12 to 329 K.
		$\Delta S=29.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Entropy</b>	298.15 K, $S=242.84 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b>	371.0487		<b>Phase Changes</b>	
<b>Wiswesser Line Notation</b>	FXFFXX 3N		c,II/c,I	248.15 K, $\Delta H=1485.3 \text{ J}\cdot\text{mol}^{-1}$
<b>Evaluation</b>	A			$\Delta S=5.99 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
$C_6HCl_5$ (c)		91SAB/AN2	c/liq	305.18 K, $\Delta H=12845 \text{ J}\cdot\text{mol}^{-1}$
Pentachlorobenzene				$\Delta S=42.09 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Phase Changes</b>			<b>Molecular Weight</b>	184.0653
c/liq	357.00 K,	$\Delta H=20100 \text{ J}\cdot\text{mol}^{-1}$	<b>Wiswesser Line Notation</b>	QR BF CF DF EF FF
		$\Delta S=56.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Evaluation</b>	A
<b>Molecular Weight</b>	250.3389			
<b>Wiswesser Line Notation</b>	GR BG CG DG EG			
<b>Evaluation</b>	B			
$C_6HCl_5O$ (c)		58HIL/KRA	$C_6H_2Br_4$ (c)	87MON/HOI
Pentachlorophenol; Perchlorophenol			1,2,4,5-Tetrabromobenzene	
<b>Heat Capacity</b>	298.15 K, Temperature range 15 to 300 K.	$C_p=201.96 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Phase Changes</b>	
<b>Entropy</b>	298.15 K,	$S=253.17 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	c,II/c,I	306.8 K, $\Delta H=335 \text{ J}\cdot\text{mol}^{-1}$
<b>Molecular Weight</b>	266.3383			$\beta$ to $\gamma$ transition.
<b>Wiswesser Line Notation</b>	QR BG CG DG EG FG		c,I/liq	453.0 K, $\Delta H=27880 \text{ J}\cdot\text{mol}^{-1}$
<b>Evaluation</b>	A		<b>Molecular Weight</b>	393.6978
$C_6HF_5$ (liq)		68COU/HAL	<b>Wiswesser Line Notation</b>	ER BE DE EE
Pentafluorobenzene			<b>Evaluation</b>	B
<b>Heat Capacity</b>	298.15 K, Temperature range 12 to 324 K.	$C_p=204.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	$C_6H_2Br_4$ (c)	89MON/CU
<b>Entropy</b>	298.15 K,	$S=275.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	1,2,4,5-Tetrabromobenzene	
<b>Phase Changes</b>			<b>Phase Changes</b>	
c/liq	225.83 K,	$\Delta H=10853 \text{ J}\cdot\text{mol}^{-1}$	c,II/c,I	306.8 K, $\Delta H=335 \text{ J}\cdot\text{mol}^{-1}$
		$\Delta S=48.06 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	c,I/liq	453.1 K, $\Delta H=27880 \text{ J}\cdot\text{mol}^{-1}$
<b>Molecular Weight</b>	168.0659		<b>Molecular Weight</b>	393.6978
<b>Wiswesser Line Notation</b>	FR BF CF DF EF		<b>Wiswesser Line Notation</b>	ER BE DE EE
<b>Evaluation</b>	A		<b>Evaluation</b>	A
$C_6HF_5$ (liq)		69PAU/LAV	$C_6H_2Cl_4$ (c)	91SAB/AN
Pentafluorobenzene			1,2,3,4-Tetrachlorobenzene	
<b>Heat Capacity</b>	298.15 K, Temperature range 12 to 300 K.	$C_p=210.79 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Phase Changes</b>	
<b>Entropy</b>	298.15 K,	$S=279.49 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	c/liq	319.68 K, $\Delta H=16960 \text{ J}\cdot\text{mol}^{-1}$
<b>Phase Changes</b>				$\Delta S=53.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c/liq	225.67 K,	$\Delta H=10883 \text{ J}\cdot\text{mol}^{-1}$	<b>Molecular Weight</b>	215.8938
		$\Delta S=48.22 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Wiswesser Line Notation</b>	GR BR CR DR
<b>Molecular Weight</b>	168.0659		<b>Evaluation</b>	B
<b>Wiswesser Line Notation</b>	FR BF CF DF EF			
<b>Evaluation</b>	A			
$C_6H_2Cl_4$ (c)		91SAB/AN	$C_6H_2Cl_4$ (c)	91SAB/AN
1,2,3,5-Tetrachlorobenzene			1,2,3,5-Tetrachlorobenzene	
<b>Phase Changes</b>			<b>Phase Changes</b>	
c/liq			c/liq	323.77 K, $\Delta H=18320 \text{ J}\cdot\text{mol}^{-1}$
				$\Delta S=56.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b>	215.8938		<b>Molecular Weight</b>	215.8938
<b>Wiswesser Line Notation</b>	GR BG CG EG		<b>Wiswesser Line Notation</b>	GR BG CG EG
<b>Evaluation</b>	B		<b>Evaluation</b>	B

<b>C<sub>6</sub>H<sub>2</sub>Cl<sub>4</sub></b> (c)	28AND/HAW	<b>C<sub>6</sub>H<sub>2</sub>F<sub>4</sub></b> (liq)	73AND/MAR
1,2,4,5-Tetrachlorobenzene		1,2,3,5-Tetrafluorobenzene	
<b>Heat Capacity</b> 299.8 K,	$C_p = 202.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p = 190.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 101 to 336 K. Value is unsmoothed experimental datum.		Temperature range 10 to 310 K.	
<b>Molecular Weight</b> 215.8938		<b>Entropy</b> 298.15 K,	$S = 257.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b> GR BG DG EG		<b>Phase Changes</b>	
<b>Evaluation</b> C		c,II/c,I	224.2 K,
		c,II/liq	226.90 K,
			$\Delta H = 4300 \text{ J} \cdot \text{mol}^{-1}$
			$\Delta S = 19.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
			$\Delta H = 6360 \text{ J} \cdot \text{mol}^{-1}$
			$\Delta S = 28.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>C<sub>6</sub>H<sub>2</sub>Cl<sub>4</sub></b> (c)	82MAR	<b>Molecular Weight</b> 150.0754	
1,2,4,5-Tetrachlorobenzene		<b>Wiswesser Line Notation</b> FR BF CF EF	
<b>Phase Changes</b>		<b>Evaluation</b> A	
c,II/c,I	187.5 K,		
	$\Delta H = 34 \text{ J} \cdot \text{mol}^{-1}$		
	$\Delta S = 0.18 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
<b>Molecular Weight</b> 215.8938			
<b>Wiswesser Line Notation</b> GR BG DG EG			
<b>Evaluation</b> C			
<b>C<sub>6</sub>H<sub>2</sub>Cl<sub>4</sub></b> (c)	87MON/HOU	<b>C<sub>6</sub>H<sub>2</sub>F<sub>4</sub></b> (liq)	73AND/MAR
1,2,4,5-Tetrachlorobenzene		1,2,4,5-Tetrafluorobenzene	
<b>Phase Changes</b>		<b>Heat Capacity</b> 298.15 K,	$C_p = 192.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c,II/c,I	185.6 K,	Temperature range 10 to 350 K.	
$\alpha$ to $\beta$ transition.		<b>Entropy</b> 298.15 K,	$S = 250.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c,I/liq	412.9 K,		
	$\Delta H = 26340 \text{ J} \cdot \text{mol}^{-1}$		
<b>Molecular Weight</b> 215.8938		<b>Molecular Weight</b> 150.0754	
<b>Wiswesser Line Notation</b> GR BG DG EG		<b>Wiswesser Line Notation</b> FR BF DF EF	
<b>Evaluation</b> B		<b>Evaluation</b> A	
<b>C<sub>6</sub>H<sub>2</sub>Cl<sub>4</sub></b> (c)	89MON/CUE	<b>C<sub>6</sub>H<sub>2</sub>F<sub>5</sub>N</b> (c,I)	69PAU/LAV3
1,2,4,5-Tetrachlorobenzene		Pentafluoroaniline	
<b>Phase Changes</b>		<b>Heat Capacity</b> 298.15 K,	$C_p = 230.79 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c,II/c,I	185.6 K,	Temperature range 12 to 320 K.	
c,I/liq	412.8 K,	<b>Entropy</b> 298.15 K,	$S = 246.23 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
	$\Delta H = 95 \text{ J} \cdot \text{mol}^{-1}$	c,II/c,I	287.4 K,
	$\Delta H = 26340 \text{ J} \cdot \text{mol}^{-1}$		$\Delta H = 3941 \text{ J} \cdot \text{mol}^{-1}$
<b>Molecular Weight</b> 215.8938		c,I/liq	$\Delta S = 13.71 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b> GR BG DG EG			$\Delta H = 14267 \text{ J} \cdot \text{mol}^{-1}$
<b>Evaluation</b> A			$\Delta S = 46.51 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>C<sub>6</sub>H<sub>2</sub>Cl<sub>4</sub></b> (c)	91SAB/AN2	<b>Molecular Weight</b> 183.0805	
1,2,4,5-Tetrachlorobenzene		<b>Wiswesser Line Notation</b> ZR BF CF DF EF FF	
<b>Phase Changes</b>		<b>Evaluation</b> A	
c,II/q	412.59 K,	<b>C<sub>6</sub>H<sub>3</sub>Br<sub>3</sub>O</b> (c)	87ALL/FIN
	$\Delta H = 24940 \text{ J} \cdot \text{mol}^{-1}$	2,4,6-Tribromophenol	
	$\Delta S = 60.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p = 172.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b> 215.8938		One temperature. $C_p$ given as $0.52 \text{ J} \cdot \text{K}^{-1} \cdot \text{g}^{-1}$ .	
<b>Wiswesser Line Notation</b> GR BG DG EG		<b>Molecular Weight</b> 330.8011	
<b>Evaluation</b> B		<b>Wiswesser Line Notation</b> QR BE DE FE	
<b>C<sub>6</sub>H<sub>2</sub>F<sub>4</sub></b> (liq)	73AND/MAR	<b>Evaluation</b> B	
1,2,3,4-Tetrafluorobenzene		<b>C<sub>6</sub>H<sub>3</sub>Cl<sub>3</sub></b> (liq)	74PET/TER
<b>Heat Capacity</b> 298.15 K,	$C_p = 189.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	1,2,4-Trichlorobenzene	
Temperature range 10 to 320 K.		<b>Heat Capacity</b> 297.95 K,	$C_p = 188 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Entropy</b> 298.15 K,	$S = 256.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Temperature range 297 to 454 K. Value is unsmoothed experimental datum.	
<b>Phase Changes</b>		<b>Molecular Weight</b> 181.4487	
c,II/c,I	221 K,	<b>Wiswesser Line Notation</b> GR BG DG	
	$\Delta H = 4900 \text{ J} \cdot \text{mol}^{-1}$	<b>Evaluation</b> B	
	$\Delta S = 22.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
c,II/liq	231.25 K,	$\Delta H = 6180 \text{ J} \cdot \text{mol}^{-1}$	
	$\Delta S = 26.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	$\Delta H = 10930 \text{ J} \cdot \text{mol}^{-1}$	
c,I/liq	233.26 K,	$\Delta S = 46.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Molecular Weight</b> 150.0754			
<b>Wiswesser Line Notation</b> FR BF CF DF			
<b>Evaluation</b> A			
<b>C<sub>6</sub>H<sub>3</sub>Cl<sub>3</sub></b> (liq)	82WIL/ING	<b>C<sub>6</sub>H<sub>3</sub>Cl<sub>3</sub></b> (liq)	82WIL/ING
1,2,4-Trichlorobenzene		1,2,4-Trichlorobenzene	
<b>Heat Capacity</b> 298.15 K,	$C_p = 194.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p = 194.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
One temperature.			
<b>Molecular Weight</b> 181.4487		<b>Molecular Weight</b> 181.4487	
<b>Wiswesser Line Notation</b> GR BG DG		<b>Wiswesser Line Notation</b> GR BG DG	
<b>Evaluation</b> A			

$C_6H_3Cl_3$ (liq)		86WIL/LAI	$C_6H_3N_3O_6$ (c)		80RAD/RAD
1,2,4-Trichlorobenzene			1,3,5-Trinitrobenzene		
Heat Capacity	298.15 K,	$C_p = 194.90 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Phase Changes		24TAY/RIF
One temperature.			c,l/liq	383.0 K,	$\Delta H = 13200 \text{ J} \cdot \text{mol}^{-1}$
Molecular Weight	181.4487				$\Delta S = 34.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Wiswesser Line Notation	GR BG DG		Metastable modification III.		
Evaluation	B		Molecular Weight	213.1064	
			Wiswesser Line Notation	WNR CNW ENW	
			Evaluation	B	
$C_6H_3Cl_4N$ (c)		87TAN/YE	$C_6H_3N_3O_7$ (c)		79FAR/SH.
2-Chloro-6-(trichloromethyl)pyridine			Picric acid; 2,4,6-Trinitrophenol		
Heat Capacity	297.13 K,	$C_p = 192.09 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Heat Capacity	293 K,	$C_p = 239.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 78 to 322 K. Value is unsmoothed experimental datum.	$C_p$ (c,70 to 330 K)= $146.438+57.0749X-1.31699X^2+16.2918X^3-11.3899X^4-26.7611X^5+5.59976X^6+21.3037X^7$ ( $\text{J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ ).		Temperature range 90 to 395 K.		
Phase Changes			Molecular Weight	229.1056	
c/liq	337.242 K,	$\Delta H = 20298.8 \text{ J} \cdot \text{mol}^{-1}$	Wiswesser Line Notation	WNR BQ CNW ENW	
		$\Delta S = 60.190 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Evaluation	C	
Molecular Weight	230.9084		$C_6H_3N_3O_7$ (c)		79FAR/SH.
Wiswesser Line Notation	T6NJ BXGGG FG		Picric acid; 2,4,6-Trinitrophenol		
Evaluation	B		Phase Changes		
$C_6H_3Cl_4N$ (c)		89TAN/SOR	c/liq	394.1 K,	$\Delta H = 17100 \text{ J} \cdot \text{mol}^{-1}$
2-Chloro-6-(trichloromethyl)pyridine					$\Delta S = 43.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Heat Capacity	298.15 K,	$C_p = 189.35 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Molecular Weight	229.1056	
Temperature range 2 to 400 K.			Wiswesser Line Notation	WNR BQ CNW ENW	
Entropy	298.15 K,	$S = 244.596 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Evaluation	B	
Phase Changes			$C_6H_3N_3O_8$ (c)		79FAR/SH.
c/liq	337.242 K,	$\Delta H = 20300 \text{ J} \cdot \text{mol}^{-1}$	Styphnic acid; 2,4,6-Trinitroresorcinol		
		$\Delta S = 60.19 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Phase Changes		
Molecular Weight	230.9084		c/liq	454.9 K,	$\Delta H = 33500 \text{ J} \cdot \text{mol}^{-1}$
Wiswesser Line Notation	T6NJ BXGGG FG				$\Delta S = 73.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Evaluation	A		Molecular Weight	245.1050	
			Wiswesser Line Notation	WNR BQ CNW DQ ENW	
			Evaluation	B	
$C_6H_3N_3O_6$ (c)		80RAD/RAD	$(C_6H_4)_n$ (liq)		71RAB/SA
1,3,5-Trinitrobenzene			Poly-p-phenylene		
Heat Capacity	298.15 K,	$C_p = 214.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Heat Capacity	300 K,	$C_p = 89.96 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 180 to 400 K. Data given graphically; $C_p$ calculated from equation. Thermodynamically stable modification I.			Temperature range 10 to 600 K.		
Phase Changes			Entropy	300 K,	$S = 87.19 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c,l/liq	398.4 K,	$\Delta H = 15000 \text{ J} \cdot \text{mol}^{-1}$	Molecular Weight	76.0976	
		$\Delta S = 37.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Wiswesser Line Notation	/*R*/	
Molecular Weight	213.1064		Evaluation	A	
Wiswesser Line Notation	WNR CNW ENW		$C_6H_4BrCl$ (liq)		18NA
Evaluation	B		2-Chlorobromobenzene		
$C_6H_3N_3O_6$ (c)		80RAD/RAD	Heat Capacity	298.15 K,	$C_p = 176.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
1,3,5-Trinitrobenzene			Temperature range 198 to 374 K. $C_p = 0.21497+0.0002348t \text{ ca g}^{-1} \cdot \text{K}^{-1}$ . $C_p$ value calculated from equation.		
Heat Capacity	298.15 K,	$C_p = 222.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Phase Changes		
Temperature range 180 to 380 K. Data given graphically; $C_p$ calculated from equation. Metastable modification II.			c/liq	260.55 K,	$\Delta H = 12368 \text{ J} \cdot \text{mol}^{-1}$
Phase Changes					$\Delta S = 47.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c,l/c,l	370 K,	$\Delta H = 1900 \text{ J} \cdot \text{mol}^{-1}$	Molecular Weight	191.4546	
		$\Delta S = 5.13 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Wiswesser Line Notation	GR BE	
c,l/liq	380.3 K,	$\Delta H = 14800 \text{ J} \cdot \text{mol}^{-1}$	Evaluation	D	
		$\Delta S = 38.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
Molecular Weight	213.1064				
Wiswesser Line Notation	WNR CNW ENW				
Evaluation	B				

<b>C<sub>6</sub>H<sub>4</sub>BrCl</b> (liq)		18NAR
3-Chlorobromobenzene		
<b>Heat Capacity</b> 298.15 K,	$C_p = 181.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 197 to 375 K. $C_p = 0.221224 + 0.0002348t \text{ cal}$	$\text{g}^{-1} \cdot \text{K}^{-1}$ . $C_p$ value calculated from equation.	
<b>Phase Changes</b>		
c/liq	251.95 K,	$\Delta H = 12288 \text{ J} \cdot \text{mol}^{-1}$
		$\Delta S = 48.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b> 191.4546		
<b>Wiswesser Line Notation</b> GR CE		
<b>Evaluation</b>	D	
<b>C<sub>6</sub>H<sub>4</sub>BrCl</b> (c)		18NAR
4-Chlorobromobenzene		
<b>Heat Capacity</b>		
Temperature range 194 to 336 K.		
<b>Phase Changes</b>		
c/liq	337.75 K,	$\Delta H = 18760 \text{ J} \cdot \text{mol}^{-1}$
		$\Delta S = 55.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b> 191.4546		
<b>Wiswesser Line Notation</b> GR DE		
<b>Evaluation</b>	D	
<b>C<sub>6</sub>H<sub>4</sub>BrI</b> (liq)		18NAR
2-Bromoiodobenzene		
<b>Heat Capacity</b> 298.15 K,	$C_p = 179.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 195 to 373 K. $C_p = 0.15285 + 0.0001332t$ . $C_p$ value calculated from equation.		
<b>Phase Changes</b>		
c/liq	275.25 K,	$\Delta H = 14441 \text{ J} \cdot \text{mol}^{-1}$
		$\Delta S = 52.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b> 282.9061		
<b>Wiswesser Line Notation</b> IR BE		
<b>Evaluation</b>	D	
<b>C<sub>6</sub>H<sub>4</sub>BrI</b> (liq)		18NAR
3-Bromoiodobenzene		
<b>Heat Capacity</b> 298.15 K,	$C_p = 183.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 198 to 373 K. $C_p = 0.15134 + 0.0001332t$ . $C_p$ value calculated from equation.		
<b>Phase Changes</b>		
c/liq	263.85 K,	$\Delta H = 12192 \text{ J} \cdot \text{mol}^{-1}$
		$\Delta S = 46.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b> 282.9061		
<b>Wiswesser Line Notation</b> IR CE		
<b>Evaluation</b>	D	
<b>C<sub>6</sub>H<sub>4</sub>BrI</b> (c)		18NAR
4-Bromoiodobenzene		
<b>Heat Capacity</b>		
Temperature range 270 to 361 K.		
<b>Phase Changes</b>		
c/liq	363.25 K,	$\Delta H = 19614 \text{ J} \cdot \text{mol}^{-1}$
		$\Delta S = 54.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b> 282.9061		
<b>Wiswesser Line Notation</b> IR DE		
<b>Evaluation</b>	D	
<b>C<sub>6</sub>H<sub>4</sub>Br<sub>2</sub></b> (liq)		18NAR
1,2-Dibromobenzene		
<b>Heat Capacity</b> 298.15 K,	$C_p = 196.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 200 to 375 K. $C_p = 0.17994 + 0.0002140t$ . $C_p$ value calculated from equation.		
<b>Phase Changes</b>		
c/liq	274.95 K,	$\Delta H = 13587 \text{ J} \cdot \text{mol}^{-1}$
		$\Delta S = 49.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b> 235.9056		
<b>Wiswesser Line Notation</b> ER BE		
<b>Evaluation</b>	D	
<b>C<sub>6</sub>H<sub>4</sub>Br<sub>2</sub></b> (c)		18NAR
1,3-Dibromobenzene		
<b>Heat Capacity</b> 298.15 K,	$C_p = 192.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 197 to 375 K. $C_p = 0.17535 + 0.0002140t$ . $C_p$ value calculated from equation.		
<b>Phase Changes</b>		
c/liq	266.25 K,	$\Delta H = 14225 \text{ J} \cdot \text{mol}^{-1}$
		$\Delta S = 53.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b> 235.9056		
<b>Wiswesser Line Notation</b> ER CE		
<b>Evaluation</b>	D	
<b>C<sub>6</sub>H<sub>4</sub>Br<sub>2</sub></b> (c)		18NAR
1,4-Dibromobenzene; p-Dibromobenzene		
<b>Heat Capacity</b>		
Temperature range 194 to 353 K.		
<b>Phase Changes</b>		
c/liq	360.05 K,	$\Delta H = 20530 \text{ J} \cdot \text{mol}^{-1}$
		$\Delta S = 57.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b> 235.9056		
<b>Wiswesser Line Notation</b> ER DE		
<b>Evaluation</b>	D	
<b>C<sub>6</sub>H<sub>4</sub>Br<sub>2</sub></b> (c)		28AND/HAW
1,4-Dibromobenzene; p-Dibromobenzene		
<b>Heat Capacity</b> 299.8 K,	$C_p = 174.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 101 to 336 K. Value is unsmoothed experimental datum.		
<b>Molecular Weight</b> 235.9056		
<b>Wiswesser Line Notation</b> ER DE		
<b>Evaluation</b>	C	
<b>C<sub>6</sub>H<sub>4</sub>Br<sub>2</sub></b> (c)		50UEB/ORT
1,4-Dibromobenzene; p-Dibromobenzene		
<b>Heat Capacity</b> 198.15 K,	$C_p = 145.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 293 to 368 K. Equation only.		
<b>Phase Changes</b>		
c/liq	360 K,	$\Delta H = 20040 \text{ J} \cdot \text{mol}^{-1}$
		$\Delta S = 55.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b> 235.9056		
<b>Wiswesser Line Notation</b> ER DE		
<b>Evaluation</b>	C	

$C_6H_4Br_2O$ (liq)		1884WER	$C_6H_4Cl_2$ (liq)		18NAI
2,4-Dibromophenol			1,2-Dichlorobenzene; o-Dichlorobenzene		
<b>Heat Capacity</b>	$\sim 313$ K,	$C_p = 260 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p = 170.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 18.5–73 °C, mean value for supercooled liquid.		Temperature range 197 to 375 K. $C_p = 0.27022 + 0.0003024t \text{ cal g}^{-1} \cdot \text{K}^{-1}$ . $C_p$ value calculated from equation.			
<b>Phase Changes</b>			<b>Phase Changes</b>		
c/liq	313 K,	$\Delta H = 15000 \text{ J} \cdot \text{mol}^{-1}$	c/liq	255.65 K,	$\Delta H = 12922 \text{ J} \cdot \text{mol}^{-1}$
		$\Delta S = 46 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			$\Delta S = 50.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	252.4990		<b>Molecular Weight</b>	147.0036	
<b>Wiswesser Line Notation</b>	QR BE DE		<b>Wiswesser Line Notation</b>	GR BG	
<b>Evaluation</b>	D		<b>Evaluation</b>	D	
$C_6H_4Br_2N$ (c)		87ALL/FIN	$C_6H_4Cl_2$ (liq)		18NA
2,4,6-Tribromoaniline			1,3-Dichlorobenzene; m-Dichlorobenzene		
<b>Heat Capacity</b>	298.15 K,	$C_p = 181.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p = 170.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
One temperature. $C_p$ given as $0.55 \text{ J} \cdot \text{K}^{-1} \cdot \text{g}^{-1}$ .		Temperature range 197 to 377 K. $C_p = 0.27022 + 0.0003024t \text{ cal g}^{-1} \cdot \text{K}^{-1}$ . $C_p$ value calculated from equation.			
<b>Molecular Weight</b>	329.8163		<b>Phase Changes</b>		
<b>Wiswesser Line Notation</b>	ZR BE DE FE		c/liq	248.75 K,	$\Delta H = 12590 \text{ J} \cdot \text{mol}^{-1}$
<b>Evaluation</b>	B				$\Delta S = 50.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
 			<b>Molecular Weight</b>	147.0036	
<b>Wiswesser Line Notation</b>	GR CG		<b>Wiswesser Line Notation</b>		
<b>Evaluation</b>	D		<b>Evaluation</b>		
$C_6H_4ClNO_2$ (c)		81LEB/RYA	$C_6H_4Cl_2$ (c)		18NA
1-Chloro-2-nitrobenzene			1,4-Dichlorobenzene; p-Dichlorobenzene		
<b>Heat Capacity</b>		$C_p = 247.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298 K,	$C_p = 147.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 298 to 303 K. Data given over temperature range.		Temperature range 194 to 372 K. Average specific heat over t temperature range 2.6 to 51.6 °C is 0.2400 cal·g <sup>-1</sup> ·K <sup>-1</sup> .			
<b>Molecular Weight</b>	157.5561		<b>Phase Changes</b>		
<b>Wiswesser Line Notation</b>	WNR BG		c/liq	326.05 K,	$\Delta H = 18144 \text{ J} \cdot \text{mol}^{-1}$
<b>Evaluation</b>	B				$\Delta S = 55.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
 			<b>Molecular Weight</b>	147.0036	
<b>Wiswesser Line Notation</b>	GR DG		<b>Wiswesser Line Notation</b>		
<b>Evaluation</b>	C		<b>Evaluation</b>	D	
$C_6H_4ClNO_2$ (c)		78MAR/CIO	$C_6H_4Cl_2$ (c)		28AND/H
4-Nitrochlorobenzene			1,4-Dichlorobenzene; p-Dichlorobenzene		
<b>Heat Capacity</b>	298 K,	$C_p = 250.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	299.8 K,	$C_p = 172.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 298 to 467 K.		Temperature range 101 to 336 K. Value is unsmooth experimental datum.			
<b>Phase Changes</b>			<b>Molecular Weight</b>	147.0036	
c/liq	354.6 K,	$\Delta H = 11850 \text{ J} \cdot \text{mol}^{-1}$	<b>Wiswesser Line Notation</b>	GR DG	
		$\Delta S = 33.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Evaluation</b>	C	
<b>Molecular Weight</b>	157.5561		 		
<b>Wiswesser Line Notation</b>	WNR DG		 		
<b>Evaluation</b>	C		 		
$C_6H_4ClNO_2$ (c)		81LEB/RYA	$C_6H_4Cl_2$ (c)		50UEB/O
4-Nitrochlorobenzene			1,4-Dichlorobenzene; p-Dichlorobenzene		
<b>Heat Capacity</b>		$C_p = 182.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p = 142.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 298 to 353 K. Data given over temperature range.		Temperature range 293 to 368 K. Equation only.			
<b>Molecular Weight</b>	157.5561		<b>Phase Changes</b>		
<b>Wiswesser Line Notation</b>	WNR DG		c/liq	326 K,	$\Delta H = 18160 \text{ J} \cdot \text{mol}^{-1}$
<b>Evaluation</b>	B				$\Delta S = 55.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
 			<b>Molecular Weight</b>	147.0036	
<b>Wiswesser Line Notation</b>	GR DG		<b>Wiswesser Line Notation</b>		
<b>Evaluation</b>	C		<b>Evaluation</b>		
$C_6H_4ClNO_2$ (c)		81VOR/BOR	$C_6H_4Cl_2$ (c)		72BOO/H
4-Nitrochlorobenzene			1,4-Dichlorobenzene; p-Dichlorobenzene		
<b>Phase Changes</b>			<b>Phase Changes</b>		
c/liq	358 K,	$\Delta H = 18030 \text{ J} \cdot \text{mol}^{-1}$	c/liq	326.15 K,	$\Delta H = 18050 \text{ J} \cdot \text{mol}^{-1}$
		$\Delta S = 69.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			$\Delta S = 55.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
liq/g	518 K,	$\Delta H = 36900 \text{ J} \cdot \text{mol}^{-1}$			
		$\Delta S = 71.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b>	147.0036	
<b>Molecular Weight</b>	157.5561		<b>Wiswesser Line Notation</b>	GR DG	
<b>Wiswesser Line Notation</b>	WNR DG		<b>Evaluation</b>	C	
<b>Evaluation</b>	C		 		

$C_6H_4Cl_2$ (c,II)		75DWO/FIG	$C_6H_4Cl_2O$ (c)		81VOR/BOR
1,4-Dichlorobenzene; p-Dichlorobenzene			2,4-Dichlorophenol		
<b>Heat Capacity</b>			<b>Phase Changes</b>		
Temperature range 18 to 322 K. Data given graphically.			c/liq	323 K,	$\Delta H=28410 \text{ J}\cdot\text{mol}^{-1}$
<b>Phase Changes</b>					$\Delta S=88.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c,III/c,II	271.77 K,	$\Delta H=1256 \text{ J}\cdot\text{mol}^{-1}$	liq/g	491 K,	$\Delta H=36780 \text{ J}\cdot\text{mol}^{-1}$
		$\Delta S=4.62 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			$\Delta S=74.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c,II/c,I	304.35 K,	$\Delta H=214.5 \text{ J}\cdot\text{mol}^{-1}$	<b>Molecular Weight</b>	163.0030	
		$\Delta S=0.705 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Wiswesser Line Notation</b>	QR BG DG	
c,I/liq	326.14 K,	$\Delta H=18187 \text{ J}\cdot\text{mol}^{-1}$	<b>Evaluation</b>	C	
		$\Delta S=55.76 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
<b>Molecular Weight</b>	147.0036				
<b>Wiswesser Line Notation</b>	GR DG				
<b>Evaluation</b>	A				
See also 76DWO/FIG.					
$C_6H_4Cl_2$ (c,II)		76DWO/FIG	$C_6H_4Cl_2O$ (c)		82POE/FAN
1,4-Dichlorobenzene; p-Dichlorobenzene			2,4-Dichlorophenol		
<b>Heat Capacity</b>	298.15 K,	$C_p=147.76 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Phase Changes</b>		
Temperature range 20 to 330 K.			c/liq	318.0 K,	$\Delta H=20090 \text{ J}\cdot\text{mol}^{-1}$
<b>Entropy</b>	298.15 K,	$S=175.41 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			$\Delta S=63.18 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Phase Changes</b>					
c,III/c,II	271.77 K,	$\Delta H=1256 \text{ J}\cdot\text{mol}^{-1}$	<b>Molecular Weight</b>	163.0030	
		$\Delta S=4.62 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Wiswesser Line Notation</b>	QR BG DG	
c,II/c,I	304.35 K,	$\Delta H=214.5 \text{ J}\cdot\text{mol}^{-1}$	<b>Evaluation</b>	A	
		$\Delta S=0.705 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
c,I/liq	326.14 K,	$\Delta H=18187 \text{ J}\cdot\text{mol}^{-1}$			
		$\Delta S=55.76 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
<b>Molecular Weight</b>	147.0036				
<b>Wiswesser Line Notation</b>	GR DG				
<b>Evaluation</b>	A				
$C_6H_4Cl_2$ (c)		88MAR/MON2	$C_6H_4Cl_2O$ (c)		82POE/FAN
1,4-Dichlorobenzene; p-Dichlorobenzene			2,6-Dichlorophenol		
<b>Heat Capacity</b>	180 K,	$C_p=98 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Phase Changes</b>		
Temperature range 30 to 180 K. Data given graphically, and estimated from graph.			c/liq	340.0 K,	$\Delta H=22141 \text{ J}\cdot\text{mol}^{-1}$
<b>Molecular Weight</b>	147.0036				$\Delta S=65.12 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Wiswesser Line Notation</b>	GR DG				
<b>Evaluation</b>	A				
$C_6H_4Cl_2$ (c)		88PET/TSY	<b>Molecular Weight</b>	163.0030	
1,4-Dichlorobenzene; p-Dichlorobenzene			<b>Wiswesser Line Notation</b>	QR BG FG	
<b>Phase Changes</b>			<b>Evaluation</b>	A	
c,II/c,I	304.0 K,	$\Delta H=200 \text{ J}\cdot\text{mol}^{-1}$			
		$\Delta S=0.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
<b>Molecular Weight</b>	147.0036				
<b>Wiswesser Line Notation</b>	GR DG				
<b>Evaluation</b>	A				
$C_6H_4Cl_2O$ (c)		82POE/FAN	$C_6H_4Cl_2O$ (c)		82POE/FAN
2,3-Dichlorophenol			3,4-Dichlorophenol		
<b>Phase Changes</b>			<b>Phase Changes</b>		
c/liq	330.0 K,	$\Delta H=21363 \text{ J}\cdot\text{mol}^{-1}$	c/liq	341.0 K,	$\Delta H=20927 \text{ J}\cdot\text{mol}^{-1}$
		$\Delta S=64.74 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			$\Delta S=61.37 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b>	163.0030		<b>Molecular Weight</b>	163.0030	
<b>Wiswesser Line Notation</b>	QR BG CG		<b>Wiswesser Line Notation</b>	QR CG DG	
<b>Evaluation</b>	A		<b>Evaluation</b>	A	
$C_6H_4Cl_2O$ (liq)			<b>Molecular Weight</b>	163.0030	
1,2-Difluorobenzene			<b>Wiswesser Line Notation</b>	QR CG EG	
<b>Heat Capacity</b>	298.15 K,	$C_p=159.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Evaluation</b>	A	
One temperature.					
<b>Molecular Weight</b>	114.0944				
<b>Wiswesser Line Notation</b>	FR BF				
<b>Evaluation</b>	B				
$C_6H_4F_2$ (liq)					62GOO/LAC
1,2-Difluorobenzene					

$C_6H_4F_2$ (liq)		63SCO/MES	$C_6H_4I_2$ (c)	18NAF
1,2-Difluorobenzene			1,3-Diiodobenzene	
<b>Heat Capacity</b>	298.15 K, Temperature range 14 to 357 K.	$C_p=159.03 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	
<b>Entropy</b>	298.15 K,	$S=222.59 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Temperature range 196 to 306 K.	
<b>Phase Changes</b>	c/liq	$\Delta H=11046 \text{ J} \cdot \text{mol}^{-1}$	<b>Phase Changes</b>	
	226.01 K,	$\Delta S=48.87 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	c/liq	307.35 K,
<b>Molecular Weight</b>	114.0944			$\Delta H=15943 \text{ J} \cdot \text{mol}^{-1}$
<b>Wiswesser Line Notation</b>	FR BF			$\Delta S=51.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Evaluation</b>	A			
$C_6H_4F_2$ (liq)		62GOO/LAC	$C_6H_4I_2$ (c)	18NA
1,3-Difluorobenzene			1,4-Diiodobenzene	
<b>Heat Capacity</b>	298.15 K, One temperature.	$C_p=157.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	
<b>Molecular Weight</b>	114.0944		Temperature range 198 to 400 K.	
<b>Wiswesser Line Notation</b>	FR CF		<b>Phase Changes</b>	
<b>Evaluation</b>	B		c/liq	402.15 K,
$C_6H_4F_2$ (liq)		70MES/FIN		$\Delta H=22375 \text{ J} \cdot \text{mol}^{-1}$
1,3-Difluorobenzene				$\Delta S=55.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Heat Capacity</b>	298.15 K, Temperature range 11 to 355 K.	$C_p=159.11 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b>	329.9066
<b>Entropy</b>	298.15 K,	$S=223.84 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Wiswesser Line Notation</b>	IR DI
<b>Phase Changes</b>	c,II/c,I	$\Delta H=827.05 \text{ J} \cdot \text{mol}^{-1}$	<b>Evaluation</b>	D
	186.77 K,	$\Delta S=4.428 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
	c,I/liq	$\Delta H=8581.0 \text{ J} \cdot \text{mol}^{-1}$		
	204.03 K,	$\Delta S=42.06 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
<b>Molecular Weight</b>	114.0944			
<b>Wiswesser Line Notation</b>	FR CF			
<b>Evaluation</b>	A			
$C_6H_4F_2$ (liq)		62GOO/LAC	$C_6H_4I_2$ (c)	50UEB/OR
1,4-Difluorobenzene			1,4-Diiodobenzene	
<b>Heat Capacity</b>	298.15 K, One temperature.	$C_p=157.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K, $C_p=160.77 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	114.0944		Temperature range 293 to 368 K. Equation only.	
<b>Wiswesser Line Notation</b>	FR DF		<b>Phase Changes</b>	
<b>Evaluation</b>	B		c/liq	402 K, $\Delta H=22340 \text{ J} \cdot \text{mol}^{-1}$
				$\Delta S=55.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	329.9066			
<b>Wiswesser Line Notation</b>	IR DI			
<b>Evaluation</b>	C			
$C_6H_4F_2$ (liq)		91LIC	$C_6H_4NNaO_3 \cdot 2H_2O$ (c)	78MAR/CI
1,4-Difluorobenzene			Sodium p-nitrophenoxide dihydrate	
<b>Heat Capacity</b>	298.15 K, One temperature.	$C_p=159.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	310 K, $C_p=290.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	114.0944		Temperature range 309 to 393 K.	
<b>Wiswesser Line Notation</b>	FR DF		<b>Molecular Weight</b>	197.1227
<b>Evaluation</b>	B		<b>Wiswesser Line Notation</b>	WNR DO NA & QH 2
$C_6H_4F_2$ (liq)			<b>Evaluation</b>	D
1,4-Difluorobenzene				
<b>Heat Capacity</b>	298.15 K, $C_p=159.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
Temperature range 186 to 324 K. $C_p(\text{liq})=155.192+0.158T(^{\circ}\text{C}) \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ (-35 to 51 °C). $C_p$ value calculated from equation.				
<b>Phase Changes</b>	c,II/c,I	198 K, $\Delta H=0.00 \text{ J} \cdot \text{mol}^{-1}$		
	Allotropic transformation.			
	c,I/liq	249.45 K		
<b>Molecular Weight</b>	114.0944			
<b>Wiswesser Line Notation</b>	FR DF			
<b>Evaluation</b>	A			
$C_6H_4I_2$ (liq)		18NAR	$C_6H_4N_2O_4$ (c)	26AN
1,2-Diiodobenzene			1,2-Dinitrobenzene	
<b>Heat Capacity</b>	298.15 K, $C_p=190.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b>	297.9 K, $C_p=186.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 196 to 373 K. $C_p=0.13574+0.0000776t$ . $C_p$ value calculated from equation.			Temperature range 110 to 344 K. Value is unsmooth experimental datum.	
<b>Phase Changes</b>	c/liq	296.55 K, $\Delta H=14079 \text{ J} \cdot \text{mol}^{-1}$		
		$\Delta S=47.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
<b>Molecular Weight</b>	329.9066			
<b>Wiswesser Line Notation</b>	IR BI			
<b>Evaluation</b>	D			
$C_6H_4I_2$ (c)			$C_6H_4N_2O_4$ (c)	26AND/LY
1,2-Diiodobenzene			1,2-Dinitrobenzene	
<b>Heat Capacity</b>	298.15 K, $C_p=190.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b>	298 K, $C_p=195.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 196 to 373 K. $C_p=0.13574+0.0000776t$ . $C_p$ value calculated from equation.			Temperature range 22 to 240248C.	
<b>Phase Changes</b>	c/liq	396.1 K, $\Delta H=22840 \text{ J} \cdot \text{mol}^{-1}$		
		$\Delta S=58.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
<b>Molecular Weight</b>	168.1086			
<b>Wiswesser Line Notation</b>	WNR BNW			
<b>Evaluation</b>	C			

$C_6H_4N_2O_4$ (c) 1,2-Dinitrobenzene <b>Heat Capacity</b> 298.15 K, $C_p=200.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Temperature range 293 to 368 K. Equation only. <b>Molecular Weight</b> 168.1086 <b>Wiswesser Line Notation</b> WNR BNW <b>Evaluation</b> C	50UEB/ORT	$C_6H_4N_2O_4$ (c) 1,4-Dinitrobenzene <b>Heat Capacity</b> 298.15 K, $C_p=200.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Temperature range 293 to 368 K. Equation only. <b>Molecular Weight</b> 168.1086 <b>Wiswesser Line Notation</b> WNR DNW <b>Evaluation</b> C	50UEB/ORT
$C_6H_4N_2O_4$ (c) 1,2-Dinitrobenzene <b>Phase Changes</b> c/liq 390.05 K, $\Delta H=22750 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=58.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ <b>Molecular Weight</b> 168.1086 <b>Wiswesser Line Notation</b> WNR BNW <b>Evaluation</b> C	72BOO/HAU	$C_6H_4N_2O_4$ (c) 1,4-Dinitrobenzene <b>Phase Changes</b> c/liq 446.65 K, $\Delta H=28100 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=62.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ <b>Molecular Weight</b> 168.1086 <b>Wiswesser Line Notation</b> WNR DNW <b>Evaluation</b> D	64DAV
$C_6H_4N_2O_4$ (c) 1,3-Dinitrobenzene <b>Heat Capacity</b> 297.9 K, $C_p=188.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Temperature range 110 to 332 K. Value is unsmoothed experimental datum. <b>Molecular Weight</b> 168.1086 <b>Wiswesser Line Notation</b> WNR CNW <b>Evaluation</b> C	26AND	$C_6H_4N_2O_4$ (c) 1,4-Dinitrobenzene <b>Phase Changes</b> c/liq 417.0 K, $\Delta H=26239 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=62.92 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ <b>Molecular Weight</b> 184.1080 <b>Wiswesser Line Notation</b> WNR BNW CQ <b>Evaluation</b> A	72BOO/HAU
$C_6H_4N_2O_4$ (c) 1,3-Dinitrobenzene <b>Heat Capacity</b> 298 K, $C_p=180.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Temperature range 22 to 245 °C. <b>Phase Changes</b> c/liq 363.2 K, $\Delta H=17360 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=47.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ <b>Molecular Weight</b> 168.1086 <b>Wiswesser Line Notation</b> WNR CNW <b>Evaluation</b> C	26AND/LYN	$C_6H_4N_2O_5$ (c) 2,3-Dinitrophenol <b>Phase Changes</b> c/liq 407.0 K, $\Delta H=25376 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=62.35 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ <b>Molecular Weight</b> 184.1080 <b>Wiswesser Line Notation</b> WNR BNW DQ <b>Evaluation</b> A	82POE/FAN
$C_6H_4N_2O_4$ (c) 1,3-Dinitrobenzene <b>Heat Capacity</b> 298.15 K, $C_p=197.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Temperature range 293 to 368 K. Equation only. <b>Molecular Weight</b> 168.1086 <b>Wiswesser Line Notation</b> WNR CNW <b>Evaluation</b> C	50UEB/ORT	$C_6H_4N_2O_5$ (c) 3,4-Dinitrophenol <b>Phase Changes</b> c/liq 336.0 K, $\Delta H=19577 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=58.26 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ <b>Molecular Weight</b> 184.1080 <b>Wiswesser Line Notation</b> WNR BQ CNW <b>Evaluation</b> A	82POE/FAN
$C_6H_4N_2O_4$ (c) 1,3-Dinitrobenzene <b>Phase Changes</b> c/liq 363.23 K, $\Delta H=17350 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=47.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ <b>Molecular Weight</b> 168.1086 <b>Wiswesser Line Notation</b> WNR CNW <b>Evaluation</b> C	72BOO/HAU	$C_6H_4N_2O_5$ (c) 2,6-Dinitrophenol <b>Phase Changes</b> c/liq 388.0 K, $\Delta H=24174 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=62.30 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ <b>Molecular Weight</b> 184.1080 <b>Wiswesser Line Notation</b> WNR CNW DQ <b>Evaluation</b> A	82POE/FAN
$C_6H_4N_2O_4$ (c) 1,4-Dinitrobenzene <b>Heat Capacity</b> 298 K, $C_p=192.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Temperature range 22 to 210 °C. <b>Phase Changes</b> c/liq 446.7 K, $\Delta H=28120 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=62.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ <b>Molecular Weight</b> 168.1086 <b>Wiswesser Line Notation</b> WNR DNW <b>Evaluation</b> C	26AND/LYN	$C_6H_4N_2O_5$ (c) 2,4-Dinitrophenol <b>Phase Changes</b> c/liq 388.0 K, $\Delta H=24174 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=62.30 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ <b>Molecular Weight</b> 184.1080 <b>Wiswesser Line Notation</b> WNR CNW DQ <b>Evaluation</b> A	82POE/FAN

$C_6H_4N_2O_5$ (c)		82POE/FAN	$C_6H_5Br$ (liq)		25WIL/DAI
3,5-Dinitrophenol			Bromobenzene		
<b>Phase Changes</b>			<b>Heat Capacity</b>	293.2 K,	$C_p=151.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c/liq	399.1 K		Temperature range 20 to 80 °C.		
<b>Molecular Weight</b>	184.1080		<b>Molecular Weight</b>	157.0095	
<b>Wiswesser Line Notation</b>	WNR CNW EQ		<b>Wiswesser Line Notation ER</b>		
<b>Evaluation</b>	A		<b>Evaluation</b>	B	
$C_6H_4N_2O_5$ (c)		82POE/FAN	$C_6H_5Br$ (liq)		28AND/HAV
2,5-Dinitrophenol			Bromobenzene		
<b>Phase Changes</b>			<b>Heat Capacity</b>	231.7 K,	$C_p=127.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c/liq	381.0 K,	$\Delta H=23730 \text{ J} \cdot \text{mol}^{-1}$	Temperature range 101 to 232 K. Value is unsmoothed experimental datum.		
		$\Delta S=62.28 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
<b>Molecular Weight</b>	184.1080		<b>Molecular Weight</b>	157.0095	
<b>Wiswesser Line Notation</b>	WNR CQ DNW		<b>Wiswesser Line Notation ER</b>		
<b>Evaluation</b>	A		<b>Evaluation</b>	C	
$C_6H_4O_2$ (c)		24LAN	$C_6H_5Br$ (liq)		34KOL/UD
Quinone; p-Benzoylquinone			Bromobenzene		
<b>Heat Capacity</b>	291.2 K,	$C_p=129.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	302.6 K,	$C_p=145.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
		Temperature range 22 to 291 K. Value is unsmoothed experimental datum.			
<b>Molecular Weight</b>	108.0964		<b>Molecular Weight</b>	157.0095	
<b>Wiswesser Line Notation</b>	L6V DVJ		<b>Wiswesser Line Notation ER</b>		
<b>Evaluation</b>	B		<b>Evaluation</b>	C	
$C_6H_4O_2$ (c)		26AND/LYN	$C_6H_5Br$ (liq)		34KOL/UDC
Quinone; p-Benzoylquinone			Bromobenzene		
<b>Heat Capacity</b>	298 K,	$C_p=132.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	302.6 K,	$C_p=145.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
		Temperature range 22 to 160 °C.			
<b>Phase Changes</b>			<b>Molecular Weight</b>	157.0095	
c/liq	386.0 K,	$\Delta H=18450 \text{ J} \cdot \text{mol}^{-1}$	<b>Wiswesser Line Notation ER</b>		
		$\Delta S=47.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Evaluation</b>	C	
<b>Molecular Weight</b>	108.0964		 		
<b>Wiswesser Line Notation</b>	L6V DVJ		 		
<b>Evaluation</b>	C		 		
$C_6H_4O_2$ (c)		50UEB/ORT	$C_6H_5Br$ (liq)		37S1
Quinone; p-Benzoquinone			Bromobenzene		
<b>Heat Capacity</b>	298.15 K,	$C_p=126.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.1 K,	$C_p=155.39 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
		Temperature range 293 to 368 K. Equation only.			
<b>Molecular Weight</b>	108.0964		<b>Entropy</b>	298.1 K,	$S=207.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b>	L6V DVJ				Extrapolation below 91 K, 55.86 $\text{J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .
<b>Evaluation</b>	C		<b>Phase Changes</b>		
 			c/liq	242.43 K,	$\Delta H=10627 \text{ J} \cdot \text{mol}^{-1}$
$(C_6H_4O_2S)_n$ (c)		92VAR/JIN			$\Delta S=43.84 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Poly(sulfonyl-1,4-phenylene)			<b>Molecular Weight</b>	157.0095	
<b>Heat Capacity</b>	300 K,	$C_p=141.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Wiswesser Line Notation ER</b>		
		Temperature range 150 to 620 K. $C_p(c)=\exp[14.03310 - 6.633458(\ln T) + 1.356265(\ln T)^2 - 0.08282718(\ln T)^3]$ (150 to 470 K); $C_p(\text{liq})=179.007985 + 0.082375T$ (510 to 620 K).	<b>Evaluation</b>	$B(C_p), C(S)$	
<b>Molecular Weight</b>	140.1564		 		
<b>Wiswesser Line Notation</b>	/*WSR D*/		 		
<b>Evaluation</b>	A		 		
	T(glass)=492.6 K.		 		
$C_6H_5Br$ (liq)		1881REI	$C_6H_5Br$ (liq)		75MAS/SC
Bromobenzene			Bromobenzene		
<b>Heat Capacity</b>	298 K,	$C_p=151.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p=154.29 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
		Temperature range 291 to 444 K.			
<b>Molecular Weight</b>	157.0095		<b>Entropy</b>	298.15 K,	$S=21922 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b>	ER		<b>Phase Changes</b>		
<b>Evaluation</b>	D		c/liq	242.40 K,	$\Delta H=10702 \text{ J} \cdot \text{mol}^{-1}$
					$\Delta S=44.15 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
 			<b>Molecular Weight</b>	157.0095	
 			<b>Wiswesser Line Notation ER</b>		
 			<b>Evaluation</b>	A	

$C_6H_5Br$ (liq) Bromobenzene <b>Heat Capacity</b> 303.15 K, $C_p=155.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Temperature range 303.15, 313.15 K. <b>Molecular Weight</b> 157.0095 <b>Wiswesser Line Notation</b> ER <b>Evaluation</b> B	86RED	$C_6H_5Cl$ (liq) Chlorobenzene <b>Heat Capacity</b> 298.1 K, $C_p=150.08 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Temperature range 90 to 320 K. <b>Entropy</b> 298.1 K, $S=197.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Extrapolation below 91 K, 44.02 $\text{J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ . <b>Phase Changes</b> c/liq 227.89 K, $\Delta H=9556 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=41.93 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ <b>Molecular Weight</b> 112.5585 <b>Wiswesser Line Notation</b> GR <b>Evaluation</b> $B(C_p), C(S)$	37STU
$C_6H_5BrO$ (liq) 4-Bromophenol <b>Heat Capacity</b> ~337 K, $C_p=230 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Temperature range 18 to 77 °C, mean value for supercooled liquid. <b>Phase Changes</b> c/liq 3367 K, $\Delta H=13000 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=39 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ <b>Molecular Weight</b> 173.0091 <b>Wiswesser Line Notation</b> QR DE <b>Evaluation</b> D	1884WER	$C_6H_5Cl$ (liq) Chlorobenzene <b>Heat Capacity</b> 305.6 K, $C_p=157.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ One temperature. <b>Molecular Weight</b> 112.5585 <b>Wiswesser Line Notation</b> GR <b>Evaluation</b> C	39PHI
$C_6H_5BrO$ (c) 4-Bromophenol <b>Heat Capacity</b> ~300 K, $C_p=192 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Temperature range 13.5 to 51.5 °C, mean value. <b>Molecular Weight</b> 173.0091 <b>Wiswesser Line Notation</b> QR DE <b>Evaluation</b> D	1884WER	$C_6H_5Cl$ (liq) Chlorobenzene <b>Heat Capacity</b> 298 K, $C_p=147.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Temperature range 298 to 318 K. <b>Molecular Weight</b> 112.5585 <b>Wiswesser Line Notation</b> GR <b>Evaluation</b> B	71DES/BHA
$C_6H_5BrO$ (c) 4-Bromophenol <b>Phase Changes</b> c/liq 336 K, $\Delta H=16573 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=49.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ <b>Molecular Weight</b> 173.0091 <b>Wiswesser Line Notation</b> QR DE <b>Evaluation</b> C	1889EYK	$C_6H_5Cl$ (liq) Chlorobenzene <b>Heat Capacity</b> 298.15 K, $C_p=150.787 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ One temperature. <b>Molecular Weight</b> 112.5585 <b>Wiswesser Line Notation</b> GR <b>Evaluation</b> B	77FOR/BEN
$C_6H_5Cl$ (liq) Chlorobenzene <b>Heat Capacity</b> 298 K, $C_p=141.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Temperature range 294 to 425 K. <b>Molecular Weight</b> 112.5585 <b>Wiswesser Line Notation</b> GR <b>Evaluation</b> D	1881REI	$C_6H_5Cl$ (liq) Chlorobenzene <b>Heat Capacity</b> 303.15 K, $C_p=150.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Temperature range 303.15, 313.15 K. <b>Molecular Weight</b> 112.5585 <b>Wiswesser Line Notation</b> GR <b>Evaluation</b> B	86RED
$C_6H_5Cl$ (liq) Chlorobenzene <b>Heat Capacity</b> 293.2 K, $C_p=145.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Temperature range 20 to 80 °C. <b>Molecular Weight</b> 112.5585 <b>Wiswesser Line Notation</b> GR <b>Evaluation</b> B	25WIL/DAN	$C_6H_5Cl$ (liq) Chlorobenzene <b>Heat Capacity</b> 298.15 K, $C_p=153.78 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ One temperature. <b>Molecular Weight</b> 112.5585 <b>Wiswesser Line Notation</b> GR <b>Evaluation</b> A	88PER/AIC
$C_6H_5Cl$ (c) Chlorobenzene <b>Heat Capacity</b> 216.8 K, $C_p=106.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Temperature range 101 to 217 K. Value is unsmoothed experimental datum. <b>Molecular Weight</b> 112.5585 <b>Wiswesser Line Notation</b> GR <b>Evaluation</b> C	28AND/HAW	$C_6H_5Cl$ (liq) Chlorobenzene <b>Heat Capacity</b> 298.15 K, $C_p=152.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ One temperature. <b>Molecular Weight</b> 112.5585 <b>Wiswesser Line Notation</b> GR <b>Evaluation</b> B	93SHE

$C_6H_5ClO$ (liq)		16BRA	$C_6H_5F$ (liq)		37ST
2-Chlorophenol			Fluorobenzene		
<b>Heat Capacity</b>	283 K, Mean value, 0 to 20 °C.	$C_p = 188.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.1 K, Temperature range 90 to 320 K.	$C_p = 146.57 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	128.5579		<b>Entropy</b>	298.1 K, Extrapolation below 91 K, 42.55 $\text{J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .	$S = 195.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Wiswesser Line Notation QR BG			<b>Phase Changes</b>	c/liq	$\Delta H = 10397 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 44.99 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Evaluation	C				
$C_6H_5ClO$ (liq)		82POE/FAN	<b>Molecular Weight</b>	96.1039	
2-Chlorophenol			Wiswesser Line Notation FR		
<b>Phase Changes</b>	c/liq	283.0 K,	Evaluation	$B(C_p), C(S)$	
		$\Delta H = 12523 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 44.25 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
<b>Molecular Weight</b>	128.5579				
Wiswesser Line Notation QR BG					
Evaluation	A				
$C_6H_5ClO$ (c)		82POE/FAN	$C_6H_5F$ (liq)		56SCO/MC
3-Chlorophenol			Fluorobenzene		
<b>Phase Changes</b>	c/liq	305.8 K,	<b>Heat Capacity</b>	298.15 K, Temperature range 14 to 350 K.	$C_p = 146.36 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
		$\Delta H = 14905 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 48.74 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Entropy</b>	298.15 K,	$S = 205.94 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	128.5579		<b>Phase Changes</b>	c/liq	$\Delta H = 11305 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 48.95 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Wiswesser Line Notation QR CG					
Evaluation	A				
$C_6H_5ClO$ (c)		82POE/FAN	<b>Molecular Weight</b>	96.1039	
4-Chlorophenol			Wiswesser Line Notation FR		
<b>Phase Changes</b>	c/liq	316.0 K,	Evaluation	A	
		$\Delta H = 14067 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 44.51 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
<b>Molecular Weight</b>	128.5579				
Wiswesser Line Notation QR DG					
Evaluation	A				
$C_6H_5Cl_3Ge$ (c)		69NUR/KOS	$C_6H_5F$ (liq)		84ROU/GF
Phenyltrichlorogermane			Fluorobenzene		
<b>Entropy</b>	298.15 K,	$S = 339.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K, One temperature.	$C_p = 146.29 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
		Deposited in VINITI, No 540-69, 11 March 1969.	<b>Molecular Weight</b>	96.1039	
<b>Molecular Weight</b>	256.0545		Wiswesser Line Notation FR		
Wiswesser Line Notation G-GE-GGR			Evaluation	B	
Evaluation	A				
$C_6H_5Cl_3Si$ (liq)		65GUM/KOS	$C_6H_5FO$ (c)		91L
Phenyltrichlorosilane			p-Fluorophenol		
<b>Heat Capacity</b>	298.15 K, Temperature range 14 to 289 K.	$C_p = 220.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K, Temperature range 183 to 354 K. $C_p(c) = 123.0 - 0.579T + 9.573 \times 10^{-3}T^2 + 7.243 \times 10^{-5}T^3$ (T in °C) $\text{J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ ( $-90$ to $34$ °C). $C_p$ value calculated from equation.	$C_p = 144.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Entropy</b>	298.15 K,	$S = 314.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Phase Changes</b>	c/liq	321.15 K
<b>Phase Changes</b>	c/liq	233.4 K,	<b>Molecular Weight</b>	112.1033	
		$\Delta H = 11660 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 49.96 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Wiswesser Line Notation QR DF		
		Smoothed table gives $\Delta H = 11650 \text{ J} \cdot \text{mol}^{-1}$ .	Evaluation	A	
<b>Molecular Weight</b>	211.5500				
Wiswesser Line Notation G-SI-GGR					
Evaluation	A				
$C_6H_5Cl_3Sn$ (c)		69NUR/KOS	$C_6H_5I$ (c)		35AOY/K.
Phenyltrichlorostannane			Iodobenzene		
<b>Entropy</b>	298.15 K,	$S = 347.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	226.1 K,	$C_p = 112.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
		Deposited in VINITI, No 540-69, 11 March 1969.			Temperature range 81 to 226 K. Value is unsmoothed experimental datum.
<b>Molecular Weight</b>	302.1545		<b>Molecular Weight</b>	204.0100	
Wiswesser Line Notation G-SN-GGR			Wiswesser Line Notation IR		
Evaluation	A		Evaluation	B	
			$C_6H_5I$ (liq)		37S
			Iodobenzene		
			<b>Heat Capacity</b>	298.1 K,	$C_p = 158.70 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
					Temperature range 90 to 320 K.
			<b>Entropy</b>	298.1 K,	$S = 205.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
					Extrapolation below 91 K, 53.14 $\text{J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .
			<b>Phase Changes</b>	c/liq	$\Delta H = 9749 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 40.31 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
			<b>Molecular Weight</b>	204.0100	
			Wiswesser Line Notation IR		
			Evaluation	$B(C_p), C(S)$	

$C_6H_5I$ (liq) Iodobenzene <b>Heat Capacity</b> 298.15 K, One temperature. <b>Molecular Weight</b> 204.0100 <b>Wiswesser Line Notation</b> IR <b>Evaluation</b> B	93SHE	$C_p = 158.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	$C_6H_5NO_2$ (liq) Nitrobenzene <b>Heat Capacity</b> 303 K, Temperature range 303 to 358 K. Equation only. <b>Molecular Weight</b> 123.1110 <b>Wiswesser Line Notation</b> WNR <b>Evaluation</b> C	24WIL/DAN $C_p = 177.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
$C_6H_5NO_2$ (c) Picolinic acid <b>Phase Changes</b> c/liq 411 K, <b>Molecular Weight</b> 123.1110 <b>Wiswesser Line Notation</b> T6NJ BVQ <b>Evaluation</b> A	89ALL/GED	$\Delta H = 30000 \text{ J} \cdot \text{mol}^{-1}$	$C_6H_5NO_2$ (liq) Nitrobenzene <b>Heat Capacity</b> 298 K, Temperature range 273 to 299 K. <b>Molecular Weight</b> 123.1110 <b>Wiswesser Line Notation</b> WNR <b>Evaluation</b> B	34PAR/TOD $C_p = 186.73 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
$C_6H_5NO_2$ (c) Nicotinic acid <b>Phase Changes</b> c/liq 510 K, <b>Molecular Weight</b> 123.1110 <b>Wiswesser Line Notation</b> T6NJ CVQ <b>Evaluation</b> A	89ALL/GED	$\Delta H = 30000 \text{ J} \cdot \text{mol}^{-1}$	$C_6H_5NO_2$ (liq) Nitrobenzene <b>Heat Capacity</b> 298.1 K, Temperature range 90 to 300 K. <b>Entropy</b> 298.1 K, Extrapolation below 90 K, 62.13 $\text{J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ . <b>Phase Changes</b> c/liq 278.8 K, <b>Molecular Weight</b> 123.1110 <b>Wiswesser Line Notation</b> WNR <b>Evaluation</b> B	36PAR/TOD $C_p = 186.69 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ $S = 224.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ $\Delta H = 12121 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 43.48 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
$C_6H_5NO_2$ (c) Nicotinic acid <b>Phase Changes</b> c,II/c,I 451.95 K, c,II/liq 509.75 K, <b>Molecular Weight</b> 123.1110 <b>Wiswesser Line Notation</b> T6NJ CVQ <b>Evaluation</b> A	93ELM/CHA	$\Delta H = 780 \text{ J} \cdot \text{mol}^{-1}$ $\Delta H = 26700 \text{ J} \cdot \text{mol}^{-1}$	$C_6H_5NO_2$ (liq) Nitrobenzene <b>Heat Capacity</b> 298.1 K, Temperature range 5 to 20 °C. <b>Molecular Weight</b> 123.1110 <b>Wiswesser Line Notation</b> WNR <b>Evaluation</b> B( $C_p$ ),C(S)	39MAZ $C_p = 179.95 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
$C_6H_5NO_2$ (c) Isonicotinic acid <b>Phase Changes</b> c/liq 593 K, <b>Molecular Weight</b> 123.1110 <b>Wiswesser Line Notation</b> T6NJ DVQ <b>Evaluation</b> A	89ALL/GED	$\Delta H = 135000 \text{ J} \cdot \text{mol}^{-1}$	$C_6H_5NO_2$ (liq) Nitrobenzene <b>Heat Capacity</b> 293 K, Temperature range 5 to 20 °C. <b>Molecular Weight</b> 123.1110 <b>Wiswesser Line Notation</b> WNR <b>Evaluation</b> B	39MAZ3 $C_p = 179.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
$C_6H_5NO_2$ (liq) Nitrobenzene <b>Heat Capacity</b> 298 K, Temperature range 291 to 486 K. <b>Molecular Weight</b> 123.1110 <b>Wiswesser Line Notation</b> WNR <b>Evaluation</b> D	1881REI	$C_p = 177.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	$C_6H_5NO_2$ (liq) Nitrobenzene <b>Heat Capacity</b> 335.5 K, Temperature range 62 to 141 °C. Value is unsmoothed experimental datum. <b>Molecular Weight</b> 123.1110 <b>Wiswesser Line Notation</b> WNR <b>Evaluation</b> B	58LUT/PAN $C_p = 188.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
$C_6H_5NO_2$ (liq) Nitrobenzene <b>Heat Capacity</b> 380 K, Mean value 21 to 199 °C. <b>Molecular Weight</b> 123.1110 <b>Wiswesser Line Notation</b> WNR <b>Evaluation</b> D	02LOU	$C_p = 205 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	$C_6H_5NO_2$ (liq) Nitrobenzene <b>Heat Capacity</b> 303 K, One temperature. <b>Phase Changes</b> c/liq 278.9 K, <b>Molecular Weight</b> 123.1110 <b>Wiswesser Line Notation</b> WNR <b>Evaluation</b> C	67PAC $C_p = 176 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ $\Delta H = 10815 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 38.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
$C_6H_5NO_2$ (liq) Nitrobenzene <b>Heat Capacity</b> 293 K, One temperature. <b>Molecular Weight</b> 123.1110 <b>Wiswesser Line Notation</b> WNR <b>Evaluation</b> D	07WAL	$C_p = 201 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		

$C_6H_5NO_2$ (liq)		67RAS/GAN	$C_6H_5NO_3$ (c)		41CAM/CAM
Nitrobenzene			4-Nitrophenol		
<b>Heat Capacity</b>	293 K,	$C_p = 180.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	283 K,	$C_p = 144 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 293 to 373 K.			Temperature range 273 to 293 K. Value given as $C_p = 0.248 \text{ cal}$		
<b>Molecular Weight</b>	123.1110		$\text{g}^{-1}$ over temperature range 0 to 20 °C.		
<b>Wiswesser Line Notation</b>	WNR		<b>Phase Changes</b>		
<b>Evaluation</b>	C		c/liq	387 K,	$\Delta H = 24271 \text{ J} \cdot \text{mol}^{-1}$
					$\Delta S = 62.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
$C_6H_5NO_2$ (liq)		85LAI/ROD	<b>Molecular Weight</b>	139.1104	
Nitrobenzene			<b>Wiswesser Line Notation</b>	WNR DQ	
<b>Heat Capacity</b>	298.15 K,	$C_p = 181.13 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Evaluation</b>	C	
One temperature.			$C_6H_5NO_3$ (c)		72BOO/HAU
<b>Molecular Weight</b>	123.1110		4-Nitrophenol		
<b>Wiswesser Line Notation</b>	WNR		<b>Phase Changes</b>		
<b>Evaluation</b>	B		c/liq	368.75 K,	$\Delta H = 19300 \text{ J} \cdot \text{mol}^{-1}$
					$\Delta S = 52.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
$C_6H_5NO_2$ (liq)		86RED	<b>Molecular Weight</b>	139.1104	
Nitrobenzene			<b>Wiswesser Line Notation</b>	WNR DQ	
<b>Heat Capacity</b>	303.15 K,	$C_p = 177.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Evaluation</b>	C	
Temperature range 303.15, 313.15 K.			$C_6H_5NO_3$ (c)		82POE/FAN
<b>Molecular Weight</b>	123.1110		4-Nitrophenol		
<b>Wiswesser Line Notation</b>	WNR		<b>Phase Changes</b>		
<b>Evaluation</b>	B		c/liq	387.0 K,	$\Delta H = 18254 \text{ J} \cdot \text{mol}^{-1}$
					$\Delta S = 47.17 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
$C_6H_5NO_3$ (c)		82POE/FAN	<b>Molecular Weight</b>	139.1104	
2-Nitrophenol			<b>Wiswesser Line Notation</b>	WNR DQ	
<b>Phase Changes</b>			<b>Evaluation</b>	A	
c/liq	318.0 K,	$\Delta H = 17446 \text{ J} \cdot \text{mol}^{-1}$	$C_6H_5NO_3$ (c)		86SIN/KUM
		$\Delta S = 54.86 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	4-Nitrophenol		
<b>Molecular Weight</b>	139.1104		<b>Phase Changes</b>		
<b>Wiswesser Line Notation</b>	WNR BQ		c/liq	385.15 K,	$\Delta H = 30118 \text{ J} \cdot \text{mol}^{-1}$
<b>Evaluation</b>	A				$\Delta S = 78.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
$C_6H_5NO_3$ (c)		72BOO/HAU	<b>Molecular Weight</b>	139.1104	
3-Nitrophenol			<b>Wiswesser Line Notation</b>	WNR DQ	
<b>Phase Changes</b>			<b>Evaluation</b>	A	
c/liq	369.95 K,	$\Delta H = 21300 \text{ J} \cdot \text{mol}^{-1}$	$C_6H_5NO_3$ (c)		89JIM/ROI
		$\Delta S = 57.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	4-Nitrophenol		
<b>Molecular Weight</b>	139.1104		<b>Phase Changes</b>		
<b>Wiswesser Line Notation</b>	WNR CQ		c/liq	298.15 K,	$C_p = 178.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Evaluation</b>	C			One temperature.	
$C_6H_5NO_3$ (c)		82POE/FAN	<b>Molecular Weight</b>	119.1256	
3-Nitrophenol			<b>Wiswesser Line Notation</b>	T56 BMNNJ	
<b>Phase Changes</b>			<b>Evaluation</b>	A	
c/liq	370.0 K,	$\Delta H = 19196 \text{ J} \cdot \text{mol}^{-1}$	$C_6H_6$ (c)		82BAT/MR.
		$\Delta S = 51.88 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	2,4-Hexadiyne		
<b>Molecular Weight</b>	139.1104		<b>Heat Capacity</b>	298.15 K,	$C_p = 133.57 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b>	WNR CQ				
<b>Evaluation</b>	A		Temperature range 3 to 300 K.		
$C_6H_5NO_3$ (c)		89WOJ/MAR	<b>Entropy</b>	298.15 K,	$S = 178.14 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
3-Nitrophenol			<b>Phase Changes</b>		
<b>Phase Changes</b>			c,II/c,I	117.9 K,	$\Delta H = 996.6 \text{ J} \cdot \text{mol}^{-1}$
c,II/c,I	356 K,	$\Delta H = 167 \text{ J} \cdot \text{mol}^{-1}$			$\Delta S = 8.42 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
		$\Delta S = 0.47 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b>	78.1134	
c,J/liq	370 K,	$\Delta H = 19960 \text{ J} \cdot \text{mol}^{-1}$	<b>Wiswesser Line Notation</b>	2UU2UU2	
		$\Delta S = 54 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Evaluation</b>	A	
<b>Molecular Weight</b>	139.1104				
<b>Wiswesser Line Notation</b>	WNR CQ				
<b>Evaluation</b>	A				

$C_6H_6$ (liq)		1881REI	$C_p = 133.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	$C_6H_6$ (liq)		31FIO/GIN
Benzene				Benzene		
<b>Heat Capacity</b>	298 K, Temperature range 292 to 364 K.			<b>Heat Capacity</b>	323.15 K, Temperature range 50 to 110 °C.	
<b>Molecular Weight</b>	78.1134			<b>Molecular Weight</b>	78.1134	
<b>Wiswesser Line Notation R</b>				<b>Wiswesser Line Notation R</b>		
<b>Evaluation</b>	D			<b>Evaluation</b>	A	
$C_6H_6$ (liq)		19DEJ	$C_p = 137.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	$C_6H_6$ (liq)		32RIC/WAL
Benzene				Benzene		
<b>Heat Capacity</b>	298 K, Temperature range 24 to 50 °C.			<b>Heat Capacity</b>	298.1 K, Temperature range 293 to 333 K.	
<b>Molecular Weight</b>	78.1134			<b>Molecular Weight</b>	78.1134	
<b>Wiswesser Line Notation R</b>				<b>Wiswesser Line Notation R</b>		
<b>Evaluation</b>	B			<b>Evaluation</b>	C	
$C_6H_6$ (liq)		24WIL/DAN	$C_p = 133.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	$C_6H_6$ (liq)		33FER/MIL
Benzene				Benzene		
<b>Heat Capacity</b>	303 K, Temperature range 303 to 333 K. Equation only.			<b>Heat Capacity</b>	298.15 K, Temperature range 293 to 323 K. Data calculated from equation.	
<b>Molecular Weight</b>	78.1134			<b>Molecular Weight</b>	78.1134	
<b>Wiswesser Line Notation R</b>				<b>Wiswesser Line Notation R</b>		
<b>Evaluation</b>	C			<b>Evaluation</b>	B	
$C_6H_6$ (c)		25MAA/WAL	$C_p = 118.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	$C_6H_6$ (liq)		33KOL/UDO
Benzene				Benzene		
<b>Heat Capacity</b>	273 K, Temperature range 93 to 273 K.			<b>Heat Capacity</b>	287.8 K, One temperature.	
<b>Phase Changes</b>				<b>Molecular Weight</b>	78.1134	
c/liq	278.64 K,		$\Delta H = 10000 \text{ J} \cdot \text{mol}^{-1}$	<b>Wiswesser Line Notation R</b>		
<b>Molecular Weight</b>	78.1134		$\Delta S = 35.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Evaluation</b>	C	
<b>Wiswesser Line Notation R</b>				<b>Evaluation</b>		
<b>Evaluation</b>	C			<b>Evaluation</b>		
$C_6H_6$ (liq)		25WIL/DAN	$C_p = 133.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	$C_6H_6$ (liq)		34KOL/UDO2
Benzene				Benzene		
<b>Heat Capacity</b>	293.2 K, Temperature range 20 to 60 °C.			<b>Heat Capacity</b>	287.8 K, One temperature.	
<b>Molecular Weight</b>	78.1134			<b>Molecular Weight</b>	78.1134	
<b>Wiswesser Line Notation R</b>				<b>Wiswesser Line Notation R</b>		
<b>Evaluation</b>	B			<b>Evaluation</b>	C	
$C_6H_6$ (liq)		26AND/LYN	$C_p = 132.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	$C_6H_6$ (c)		35AOY/KAN
Benzene				Benzene		
<b>Heat Capacity</b>	298 K, Temperature range -18 to 110 °C.			<b>Heat Capacity</b>	223.9 K, Temperature range 82 to 224 K. Value is unsmoothed experimental datum.	
<b>Phase Changes</b>				<b>Molecular Weight</b>	78.1134	
c/liq	278.55 K,		$\Delta H = 9875 \text{ J} \cdot \text{mol}^{-1}$	<b>Wiswesser Line Notation R</b>		
<b>Molecular Weight</b>	78.1134		$\Delta S = 35.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Evaluation</b>	B	
<b>Wiswesser Line Notation R</b>				<b>Evaluation</b>		
<b>Evaluation</b>	C			<b>Evaluation</b>		
$C_6H_6$ (liq)		30HUF/PAR	$C_p = 135.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	$C_6H_6$ (c)		37AHL/BLA
Benzene				Benzene		
<b>Heat Capacity</b>	300.0 K, Temperature range 93 to 300 K. Value is unsmoothed experimental datum.			<b>Heat Capacity</b>	90 K, Temperature range 4 to 93 K.	
<b>Entropy</b>	298.1 K, Extrapolation below 90 K. $47.49 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .		$S = 175.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Entropy</b>	90 K, $S = 45.56 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Phase Changes</b>				<b>Molecular Weight</b>	78.1134	
c/liq	278.6 K,		$\Delta H = 9803 \text{ J} \cdot \text{mol}^{-1}$	<b>Wiswesser Line Notation R</b>		
<b>Molecular Weight</b>	78.1134		$\Delta S = 35.19 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Evaluation</b>	A	
<b>Wiswesser Line Notation R</b>				<b>Evaluation</b>		
<b>Evaluation</b>	$B(C_p), C(S)$			<b>Evaluation</b>		
$C_6H_6$ (liq)				$C_6H_6$ (liq)		40BUR
Benzene				Benzene		
<b>Heat Capacity</b>	298.2 K, Temperature range 281 to 353 K.			<b>Heat Capacity</b>	298.2 K, $C_p = 135.44 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Molecular Weight</b>	78.1134			<b>Molecular Weight</b>	78.1134	
<b>Wiswesser Line Notation R</b>				<b>Wiswesser Line Notation R</b>		
<b>Evaluation</b>	B			<b>Evaluation</b>		

$C_6H_6$ (liq)		41ZHD	$C_6H_6$ (liq)		56DUF/EVE
Benzene			Benzene		
<b>Heat Capacity</b>	298.1 K,	$C_p = 136.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	303 K,	$C_p = 136.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 8 to 46 °C.			Temperature range 303 to 353 K.		
<b>Molecular Weight</b>	78.1134		<b>Molecular Weight</b>	78.1134	
Wiswesser Line Notation R			Wiswesser Line Notation R		
Evaluation	C		Evaluation	B	
$C_6H_6$ (liq)		42ZIE/AND	$C_6H_6$ (liq)		60SWI/ZIE
Benzene			Benzene		
<b>Phase Changes</b>			<b>Heat Capacity</b>	316 K,	$C_p = 135.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c/liq	278.65 K,	$\Delta H = 9916 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 35.59 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Mean value 21 to 66 °C.		
<b>Molecular Weight</b>	78.1134		<b>Molecular Weight</b>	78.1134	
Wiswesser Line Notation R			Wiswesser Line Notation R		
Evaluation	B		Evaluation	C	
$C_6H_6$ (liq)		48TSC	$C_6H_6$ (liq)		62RAB/NIK
Benzene			Benzene		
<b>Heat Capacity</b>	295 K,	$C_p = 119 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298 K,	$C_p = 134.98 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
One temperature.			Temperature range 10 to 35 °C.		
<b>Phase Changes</b>			<b>Molecular Weight</b>	78.1134	
c/liq	278.6 K,	$\Delta H = 9937 \text{ J} \cdot \text{mol}^{-1}$	Wiswesser Line Notation R		
<b>Molecular Weight</b>	78.1134		Evaluation	B	
Wiswesser Line Notation R					
Evaluation	C				
$C_6H_6$ (liq)		47KUR	$C_6H_6$ (liq)		65FIN/GRU
Benzene			Benzene		
<b>Heat Capacity</b>	298 K,	$C_p = 133.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	300 K,	$C_p = 135.30 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 9 to 80 °C, mean $C_p$ , five temperatures.			<b>Molecular Weight</b>	78.1134	
<b>Molecular Weight</b>	78.1134		Wiswesser Line Notation R		
Wiswesser Line Notation R			Evaluation	B	
Evaluation	D				
$C_6H_6$ (liq)		48OLI/EAT	$C_6H_6$ (liq)		67PAC
Benzene			Benzene		
<b>Heat Capacity</b>	298.15 K,	$C_p = 136.06 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298 K,	$C_p = 130 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 13 to 337 K.			One temperature.		
<b>Entropy</b>	298.15 K,	$S = 173.26 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Phase Changes</b>		
<b>Phase Changes</b>			c/liq	278.8 K,	$\Delta H = 8950 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 32.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c/liq	278.69 K,	$\Delta H = 9866.3 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 35.40 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b>	78.1134	
<b>Molecular Weight</b>	78.1134		Wiswesser Line Notation R		
Wiswesser Line Notation R			Evaluation	C	
Evaluation	A				
$C_6H_6$ (liq)		51SIE/CRU	$C_6H_6$ (liq)		67RAS/GAN
Benzene			Benzene		
<b>Heat Capacity</b>	293 K,	$C_p = 31.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	293 K,	$C_p = 134.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
One temperature.			Temperature range 293 to 353 K.		
<b>Molecular Weight</b>	78.1134		<b>Molecular Weight</b>	78.1134	
Wiswesser Line Notation R			Wiswesser Line Notation R		
Evaluation	C		Evaluation	C	
$C_6H_6$ (liq)		55STA/TUP	$C_6H_6$ (liq)		68REC
Benzene			Benzene		
<b>Heat Capacity</b>	298 K,	$C_p = 135.23 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298 K,	$C_p = 135.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 288 to 347 K.			Temperature range 24 to 40 °C, equation only.		
<b>Molecular Weight</b>	78.1134		<b>Molecular Weight</b>	78.1134	
Wiswesser Line Notation R			Wiswesser Line Notation R		
Evaluation	B		Evaluation	C	

$C_6H_6$ (liq)		69SUB/KHA	$C_6H_6$ (liq)		78GRO/WIL
Benzene			Benzene		
<b>Heat Capacity</b> 298 K,		$C_p = 135.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,		$C_p = 135.61 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
One temperature.			One temperature.		
<b>Molecular Weight</b> 78.1134			<b>Molecular Weight</b> 78.1134		
<b>Wiswesser Line Notation R</b>			<b>Wiswesser Line Notation R</b>		
<b>Evaluation</b> C			<b>Evaluation</b> B		
$C_6H_6$ (liq)		71DES/BHA	$C_6H_6$ (liq)		79SMI
Benzene			Benzene		
<b>Heat Capacity</b> 298 K,		$C_p = 134.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Phase Changes</b>		
Temperature range 298 to 318 K.			c/liq	279.1 K,	$\Delta H = 9300 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 33.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b> 78.1134			<b>Molecular Weight</b> 78.1134		
<b>Wiswesser Line Notation R</b>			<b>Wiswesser Line Notation R</b>		
<b>Evaluation</b> B			<b>Evaluation</b> C		
$C_6H_6$ (liq)		71HYD/SUB	$C_6H_6$ (liq)		79VES/ZAB
Benzene			Benzene		
<b>Heat Capacity</b> 298.15 K,		$C_p = 135.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,		$C_p = 135.90 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 298; 313 K.			One temperature.		
<b>Molecular Weight</b> 78.1134			<b>Molecular Weight</b> 78.1134		
<b>Wiswesser Line Notation R</b>			<b>Wiswesser Line Notation R</b>		
<b>Evaluation</b> C			<b>Evaluation</b> B		
$C_6H_6$ (liq)		74RAJ/SUB	$C_6H_6$ (liq)		81ATA/ELS
Benzene			Benzene		
<b>Heat Capacity</b> 298.15 K,		$C_p = 135.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 293.15 K,		$C_p = 133.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 298.15 to 323.15 K.			One temperature.		
<b>Molecular Weight</b> 78.1134			<b>Molecular Weight</b> 78.1134		
<b>Wiswesser Line Notation R</b>			<b>Wiswesser Line Notation R</b>		
<b>Evaluation</b> B			<b>Evaluation</b> B		
$C_6H_6$ (liq)		76FOR/BEN	$C_6H_6$ (liq)		82GOR/GRI
Benzene			Benzene		
<b>Heat Capacity</b> 298.15 K,		$C_p = 135.76 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 300 K,		$C_p = 136.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
One temperature.			Temperature range 280 to 353 K. Data also given by equation.		
<b>Molecular Weight</b> 78.1134			<b>Molecular Weight</b> 78.1134		
<b>Wiswesser Line Notation R</b>			<b>Wiswesser Line Notation R</b>		
<b>Evaluation</b> B			<b>Evaluation</b> A		
$C_6H_6$ (liq)		76FOR/BEN2	$C_6H_6$ (liq)		82GOR/SIM2
Benzene			Benzene		
<b>Heat Capacity</b> 298.15 K,		$C_p = 135.760 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>		
Temperature range 298 to 318 K.			Temperature range 280 to 680 K. Data at atmospheric pressure given by the equation: $C_p = 1.5194 - 1.299 \times 10^{-3}T + 6.927 \times 10^{-6} T^2 \text{ kJ} \cdot \text{kg}^{-1} \cdot \text{K}^{-1}$		
<b>Molecular Weight</b> 78.1134			<b>Molecular Weight</b> 78.1134		
<b>Wiswesser Line Notation R</b>			<b>Wiswesser Line Notation R</b>		
<b>Evaluation</b> A			<b>Evaluation</b> A		
Data from 76FOR/BEN.					
$C_6H_6$ (liq)		77VES/SVO	$C_6H_6$ (liq)		82GRO/ING
Benzene			Benzene		
<b>Heat Capacity</b> 298.15 K,		$C_p = 135.90 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,		$C_p = 135.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 298 to 318 K.			Temperature range 298.15 K. One temperature.		
<b>Molecular Weight</b> 78.1134			<b>Molecular Weight</b> 78.1134		
<b>Wiswesser Line Notation R</b>			<b>Wiswesser Line Notation R</b>		
<b>Evaluation</b> B			<b>Evaluation</b> A		
$C_6H_6$ (liq)		77WIL/GRO	$C_6H_6$ (liq)		82TAN
Benzene			Benzene		
<b>Heat Capacity</b> 298.15 K,		$C_p = 135.60 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,		$C_p = 135.74 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
One temperature.			Temperatures 293.15, 298.15, 303.15 K.		
<b>Molecular Weight</b> 78.1134			<b>Molecular Weight</b> 78.1134		
<b>Wiswesser Line Notation R</b>			<b>Wiswesser Line Notation R</b>		
<b>Evaluation</b> B			<b>Evaluation</b> A		

$C_6H_6$ (liq)		82WIL/FAR	$C_6H_6$ (liq)		87KAL/KOH
Benzene			Benzene		
<b>Heat Capacity</b>	298.15 K,	$C_p = 135.60 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	293.15 K,	$C_p = 134.61 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
One temperature.			Temperature range 293.15, 313.15 K.		
<b>Molecular Weight</b>	78.1134		<b>Molecular Weight</b>	78.1134	
Wiswesser Line Notation R			Wiswesser Line Notation R		
Evaluation	B		Evaluation	B	
$C_6H_6$ (liq)		83GOR/SIM	$C_6H_6$ (liq)		87TAN
Benzene			Benzene		
<b>Heat Capacity</b>	298.15 K,	$C_p = 136.24 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p = 135.707 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 283.78 to 348.47 K. $C_p = 1.3943 - 5.857 \times 10^{-4}T + 5.89 \times 10^{-6}T^2 \text{ kJ} \cdot \text{kg}^{-1} \cdot \text{K}^{-1}$ . $C_p$ value calculated from equation.			One temperature.		
<b>Molecular Weight</b>	78.1134		<b>Molecular Weight</b>	78.1134	
Wiswesser Line Notation R			Wiswesser Line Notation R		
Evaluation	B		Evaluation	B	
$C_6H_6$ (liq)		85OGA/MUR	$C_6H_6$ (liq)		88SHI/OG
Benzene			Benzene		
<b>Heat Capacity</b>	298.15 K,	$C_p = 136.06 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p = 134.63 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
One temperature.			One temperature.		
<b>Molecular Weight</b>	78.1134		<b>Molecular Weight</b>	78.1134	
Wiswesser Line Notation R			Wiswesser Line Notation R		
Evaluation	B		Evaluation	A	
$C_6H_6$ (liq)		85TAN	$C_6H_6$ (liq)		89LAI/ROI
Benzene			Benzene		
<b>Heat Capacity</b>	298.15 K,	$C_p = 135.718 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p = 135.62 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
One temperature.			One temperature.		
<b>Molecular Weight</b>	78.1134		<b>Molecular Weight</b>	78.1134	
Wiswesser Line Notation R			Wiswesser Line Notation R		
Evaluation	A		Evaluation	A	
$C_6H_6$ (liq)		86NAZ/BAS	$C_6H_6$ (liq)		91CZ
Benzene			Benzene		
<b>Heat Capacity</b>	322.05 K,	$C_p = 139.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.5 K,	$C_p = 135.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 322.05, 351.15 K. $p=0.1 \text{ MPa}$ . Unsmoothed experimental datum given as $1.7915 \text{ kJ/kg} \cdot \text{K}$ .			One temperature. $p=0.1 \text{ MPa}$ . $C_p$ values given for the pressure range 0.1 to 68.1 MPa.		
<b>Molecular Weight</b>	78.1134		<b>Molecular Weight</b>	78.1134	
Wiswesser Line Notation R			Wiswesser Line Notation R		
Evaluation	B		Evaluation	B	
$C_6H_6$ (liq)		86RED	$C_6H_6$ (liq)		93GRO/RO1
Benzene			Benzene		
<b>Heat Capacity</b>	303.15 K,	$C_p = 137.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p = 135.69 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 303.15, 313.15 K.			One temperature.		
<b>Molecular Weight</b>	78.1134		<b>Molecular Weight</b>	78.1334	
Wiswesser Line Notation R			Wiswesser Line Notation R		
Evaluation	B		Evaluation	B	
$C_6H_6$ (liq)		87GRO/ROU	$C_6H_6Cl$ (liq)		65ZAL/KO
Benzene			m-Chloroaniline		
<b>Heat Capacity</b>	298.15 K,	$C_p = 135.75 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	294.7 K,	$C_p = 198.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
One temperature.			Temperature range 295, 323 K.		
<b>Molecular Weight</b>	78.1134		<b>Molecular Weight</b>	127.5731	
Wiswesser Line Notation R			Wiswesser Line Notation ZR CG		
Evaluation	B		Evaluation	C	

$C_6H_5Cl$ (c) p-Chloroaniline <b>Heat Capacity</b> 305 K, $C_p=147.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ Temperature range 292 to 323 K. Mean value. <b>Molecular Weight</b> 127.5731 <b>Wiswesser Line Notation</b> ZR DG <b>Evaluation</b> C	65ZAL/KOC	$C_6H_5N_2O_2$ (c) 3-Nitroaniline <b>Heat Capacity</b> 323 K, $C_p=186.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ Temperature range 0 to 100 °C. Mean value. <b>Molecular Weight</b> 138.1256 <b>Wiswesser Line Notation</b> ZR CNW <b>Evaluation</b> C Same data as 40SAT/SOG4.	41SAT/SOG3
$C_6H_5Cl_6$ (c) $\gamma$ -Hexachlorocyclohexane <b>Phase Changes</b> c/liq 386.38 K, $\Delta H=25930 \text{ J} \cdot \text{mol}^{-1}$ <b>Molecular Weight</b> 290.8314 <b>Wiswesser Line Notation</b> L6TJ AG BG CG DG EG FG <b>Evaluation</b> A	91SAB/AN	$C_6H_5N_2O_2$ (c) 3-Nitroaniline <b>Phase Changes</b> c/liq 384.95 K, $\Delta H=23600 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S=61.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ <b>Molecular Weight</b> 138.1256 <b>Wiswesser Line Notation</b> ZR CNW <b>Evaluation</b> C	72BOO/HAU
$C_6H_5FN$ (liq) p-Fluoroaniline <b>Heat Capacity</b> 298.15 K, $C_p=195.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ Temperature range 175 to 333 K. $C_p(\text{liq})=192.943+0.092T(\text{°C}) \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ ( $-49$ to $60$ °C). $C_p$ value calculated from equation. <b>Phase Changes</b> c/liq 271.25 K <b>Molecular Weight</b> 111.1185 <b>Wiswesser Line Notation</b> ZR DF <b>Evaluation</b> A	91LJC	$C_6H_5N_2O_2$ (c) 3-Nitroaniline <b>Heat Capacity</b> 298.15 K, $C_p=158.84 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ One temperature. $C_p$ given as $1.15 \text{ J} \cdot \text{K}^{-1} \cdot \text{g}^{-1}$ . <b>Molecular Weight</b> 138.1256 <b>Wiswesser Line Notation</b> ZR CNW <b>Evaluation</b> B	83NIS/SAK
$C_6H_5N_2O_2$ (c) 2-Nitroaniline <b>Heat Capacity</b> 297.9 K, $C_p=168.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ Temperature range 110 to 332 K. Value is unsmoothed experimental datum. <b>Molecular Weight</b> 138.1256 <b>Wiswesser Line Notation</b> ZR BNW <b>Evaluation</b> C	26AND	$C_6H_5N_2O_2$ (c) 3-Nitroaniline <b>Phase Changes</b> c/liq 387 K, $\Delta H=23689 \text{ J} \cdot \text{mol}^{-1}$ <b>Molecular Weight</b> 138.1256 <b>Wiswesser Line Notation</b> ZR CNW <b>Evaluation</b> A	90SIN/GUP
$C_6H_5N_2O_2$ (c) 2-Nitroaniline <b>Heat Capacity</b> 298 K, $C_p=164.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ Temperature range 22 to 150 °C. <b>Phase Changes</b> c/liq 342.5 K, $\Delta H=16110 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S=47.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ <b>Molecular Weight</b> 138.1256 <b>Wiswesser Line Notation</b> ZR BNW <b>Evaluation</b> C	26AND/LYN	$C_6H_5N_2O_2$ (c) 4-Nitroaniline <b>Heat Capacity</b> 297.9 K, $C_p=165.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ Temperature range 110 to 344 K. Value is unsmoothed experimental datum. <b>Molecular Weight</b> 138.1256 <b>Wiswesser Line Notation</b> ZR DNW <b>Evaluation</b> C	26AND
$C_6H_5N_2O_2$ (c) 3-Nitroaniline <b>Heat Capacity</b> 297.9 K, $C_p=167.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ Temperature range 110 to 344 K. Value is unsmoothed experimental datum. <b>Molecular Weight</b> 138.1256 <b>Wiswesser Line Notation</b> ZR CNW <b>Evaluation</b> C	26AND	$C_6H_5N_2O_2$ (c) 4-Nitroaniline <b>Heat Capacity</b> 298 K, $C_p=169.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ Temperature range 22 to 195 °C. <b>Phase Changes</b> c/liq 420.7 K, $\Delta H=21090 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S=50.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ <b>Molecular Weight</b> 138.1256 <b>Wiswesser Line Notation</b> ZR DNW <b>Evaluation</b> C	26AND/LYN
$C_6H_5N_2O_2$ (c) 3-Nitroaniline <b>Heat Capacity</b> 298 K, $C_p=168.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ Temperature range 22 to 210 °C. <b>Phase Changes</b> c/liq 385.0 K, $\Delta H=23680 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S=61.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ <b>Molecular Weight</b> 138.1256 <b>Wiswesser Line Notation</b> ZR CNW <b>Evaluation</b> C	26AND/LYN	$C_6H_5N_2O_2$ (c) 4-Nitroaniline <b>Heat Capacity</b> 323 K, $C_p=184.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ Temperature range 0 to 100 °C. Mean value. <b>Molecular Weight</b> 138.1256 <b>Wiswesser Line Notation</b> ZR DNW <b>Evaluation</b> C Same data as 40SAT/SOG4.	41SAT/SOG3

$C_6H_5N_2O_2$ (c) 4-Nitroaniline <b>Phase Changes</b> c/liq            420.65 K, $\Delta H = 21150 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 50.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ <b>Molecular Weight</b> 138.1256 <b>Wiswesser Line Notation</b> ZR DNW <b>Evaluation</b> C	72BOO/HAU	$C_6H_6O$ (c) Phenol; Hydroxybenzene <b>Phase Changes</b> c/liq            314.13 K, $\Delta H = 12125 \text{ J} \cdot \text{mol}^{-1}$ <b>Molecular Weight</b> 94.1128 <b>Wiswesser Line Notation</b> QR <b>Evaluation</b> A	57MAS
$C_6H_5N_2O_2$ (c) 4-Nitroaniline <b>Heat Capacity</b> 298.15 K, $C_p = 154.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ One temperature. $C_p$ given as $1.116 \text{ J} \cdot \text{K}^{-1} \cdot \text{g}^{-1}$ . <b>Molecular Weight</b> 138.1256 <b>Wiswesser Line Notation</b> ZR DNW <b>Evaluation</b> B	83NIS/SAK	$C_6H_6O$ (c) Phenol; Hydroxybenzene <b>Heat Capacity</b> 298.15 K, Temperature range 13 to 336 K. <b>Entropy</b> 298.15 K, <b>Phase Changes</b> c/liq            314.06 K, $\Delta H = 11514 \text{ J} \cdot \text{mol}^{-1}$ <b>Molecular Weight</b> 94.1128 <b>Wiswesser Line Notation</b> QR <b>Evaluation</b> A	63AND/COL $C_p = 127.44 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ $S = 144.01 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ $\Delta S = 36.66 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
$C_6H_6O$ (c) Phenol; Hydroxybenzene <b>Phase Changes</b> c/liq            312.7 K, $\Delta H = 10581 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 33.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ <b>Molecular Weight</b> 94.1128 <b>Wiswesser Line Notation</b> QR <b>Evaluation</b> C	1889EYK	$C_6H_6O$ (c) Phenol; Hydroxybenzene <b>Heat Capacity</b> 313 K, Temperature range 313 to 373 K. <b>Molecular Weight</b> 94.1128 <b>Wiswesser Line Notation</b> QR <b>Evaluation</b> C	67RAS/GAN $C_p = 199.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
$C_6H_6O$ (liq) Phenol; Hydroxybenzene <b>Heat Capacity</b> 298 K, $C_p = 220.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ One temperature. $C_p$ given as $0.561 \text{ cal} \cdot \text{g}^{-1} \cdot \text{K}^{-1}$ . <b>Molecular Weight</b> 94.1128 <b>Wiswesser Line Notation</b> QR <b>Evaluation</b> D	03MAG	$C_6H_6O$ (c) Phenol; Hydroxybenzene <b>Heat Capacity</b> 298.15 K, One temperature. <b>Molecular Weight</b> 94.1128 <b>Wiswesser Line Notation</b> QR <b>Evaluation</b> B	75NIC/WAD $C_p = 127.21 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
$C_6H_6O$ (c) Phenol; Hydroxybenzene <b>Heat Capacity</b> 295.8 K, $C_p = 133.09 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ Temperature range 93 to 296 K. Value is unsmoothed experimental datum. <b>Entropy</b> 298.1 K, $S = 142.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ Extrapolation below 90 K, $49.04 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ . <b>Molecular Weight</b> 94.1128 <b>Wiswesser Line Notation</b> QR <b>Evaluation</b> B( $C_p$ ),C(S)	33PAR/HUF	$C_6H_6O_2$ (c) 1,2-Dihydroxybenzene; Pyrocatechin; Catechol <b>Heat Capacity</b> 298 K, $C_p = 144.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ One temperature. $C_p$ given as $0.313 \text{ cal} \cdot \text{g}^{-1} \cdot \text{K}^{-1}$ . <b>Molecular Weight</b> 110.1122 <b>Wiswesser Line Notation</b> QR BQ <b>Evaluation</b> D	03MAC
$C_6H_6O$ (c) Phenol; Hydroxybenzene <b>Heat Capacity</b> 229.3 K, $C_p = 103.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ Temperature range 78 to 229 K. Value is unsmoothed experimental datum. <b>Molecular Weight</b> 94.1128 <b>Wiswesser Line Notation</b> QR <b>Evaluation</b> B	35AOY/KAN	$C_6H_6O_2$ (c) 1,2-Dihydroxybenzene; Pyrocatechin; Catechol <b>Heat Capacity</b> 297.9 K, $C_p = 139.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ Temperature range 110 to 344 K. Value is unsmoothed experimental datum. <b>Molecular Weight</b> 110.1122 <b>Wiswesser Line Notation</b> QR BQ <b>Evaluation</b> C	26ANL
$C_6H_6O$ (c) Phenol; Hydroxybenzene <b>Heat Capacity</b> 293 K, $C_p = 93.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ One temperature. <b>Molecular Weight</b> 94.1128 <b>Wiswesser Line Notation</b> QR <b>Evaluation</b> C	40CAM/CAM	$C_6H_6O_2$ (c) 1,2-Dihydroxybenzene; Pyrocatechin; Catechol <b>Heat Capacity</b> 298 K, $C_p = 132.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ Temperature range 22 to 200 °C. <b>Phase Changes</b> c/liq            337.5 K, $\Delta H = 22760 \text{ J} \cdot \text{mol}^{-1}$ <b>Molecular Weight</b> 110.1122 <b>Wiswesser Line Notation</b> QR BQ <b>Evaluation</b> C	26AND/LY $\Delta S = 60.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$

$C_6H_6O_2$ (c)		41SAT/SOG3
1,2-Dihydroxybenzene; Pyrocatechin; Catechol		
<b>Heat Capacity</b> 323 K, $C_p=156.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
Temperature range 0 to 100 °C. Mean value.		
<b>Molecular Weight</b> 110.1122		
<b>Wiswesser Line Notation QR BQ</b>		
<b>Evaluation</b> C		
Same data as 40SAT/SOG4.		

$C_6H_6O_2$ (c)		50UEB/ORT
1,2-Dihydroxybenzene; Pyrocatechin; Catechol		
<b>Heat Capacity</b> 298.15 K, $C_p=140.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
Temperature range 293 to 368 K. Equation only.		
<b>Molecular Weight</b> 110.1122		
<b>Wiswesser Line Notation QR BQ</b>		
<b>Evaluation</b> C		

$C_6H_6O_2$ (c)		89BRI/LIC
1,2-Dihydroxybenzene; Pyrocatechin; Catechol		
<b>Heat Capacity</b> 298.15 K, $C_p=140.17 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
Temperature range 200 to 500 K. $C_p(c)=132.494+0.2808t+5.4046$		
$\times 10^{-4}t^2+2.0581 \times 10^{-5} \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1} (t^\circ\text{C})$ . $C_p$ value calculated from equation.		
<b>Phase Changes</b>		
c/liq 376.85 K, $\Delta H=22000 \text{ J} \cdot \text{mol}^{-1}$		
$\Delta S=58 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
<b>Molecular Weight</b> 110.1122		
<b>Wiswesser Line Notation QR BQ</b>		
<b>Evaluation</b> B		

$C_6H_6O_2$ (c)		03MAG
1,3-Dihydroxybenzene; Resorcin; Resorcinol		
<b>Heat Capacity</b> 298 K, $C_p=122.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
One temperature. $C_p$ given as $0.266 \text{ cal} \cdot \text{g}^{-1} \cdot \text{K}^{-1}$ .		
<b>Molecular Weight</b> 110.1122		
<b>Wiswesser Line Notation QR CQ</b>		
<b>Evaluation</b> D		

$C_6H_6O_2$ (c)		26AND
1,3-Dihydroxybenzene; Resorcin; Resorcinol		
<b>Heat Capacity</b> 297.9 K, $C_p=131.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
Temperature range 110 to 344 K. Value is unsmoothed experimental datum.		
<b>Molecular Weight</b> 110.1122		
<b>Wiswesser Line Notation QR CQ</b>		
<b>Evaluation</b> C		

$C_6H_6O_2$ (c)		26AND/LYN
1,3-Dihydroxybenzene; Resorcin; Resorcinol		
<b>Heat Capacity</b> 298 K, $C_p=131.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
Temperature range 22 to 200 °C.		
<b>Phase Changes</b>		
c/liq 382.8 K, $\Delta H=21300 \text{ J} \cdot \text{mol}^{-1}$		
$\Delta S=55.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
<b>Molecular Weight</b> 110.1122		
<b>Wiswesser Line Notation QR CO</b>		
<b>Evaluation</b> C		

$C_6H_6O_2$ (c)		41SAT/SOG3
1,3-Dihydroxybenzene; Resorcin; Resorcinol		
<b>Heat Capacity</b> 323 K, $C_p=151.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
Temperature range 0 to 100 °C. Mean value.		
<b>Molecular Weight</b> 110.1122		
<b>Wiswesser Line Notation QR CQ</b>		
<b>Evaluation</b> C		
Same data as 40SAT/SOG4.		

$C_6H_6O_2$ (c)		50UEB/ORT
1,3-Dihydroxybenzene; Resorcin; Resorcinol		
<b>Heat Capacity</b> 298.15 K, $C_p=139.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
Temperature range 293 to 368 K. Equation only.		
<b>Molecular Weight</b> 110.1122		
<b>Wiswesser Line Notation QR CQ</b>		
<b>Evaluation</b> C		

$C_6H_6O_2$ (c)		82VII/GAM
1,3-Dihydroxybenzene; Resorcin; Resorcinol		
<b>Phase Changes</b>		
c/liq 381 K, $\Delta H=20500 \text{ J} \cdot \text{mol}^{-1}$		
$\Delta S=53.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
<b>Molecular Weight</b> 110.1122		
<b>Wiswesser Line Notation QR CQ</b>		
<b>Evaluation</b> B		

$C_6H_6O_2$ (c)		87EBI/ASK
1,3-Dihydroxybenzene; Resorcin; Resorcinol		
<b>Phase Changes</b>		
c,II/c,I 369 K, $\Delta H=1370 \text{ J} \cdot \text{mol}^{-1}$		
$\Delta S=3.71 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
$\alpha$ - $\beta$ phase transition.		
c,I/liq 382.7 K, $\Delta H=20890 \text{ J} \cdot \text{mol}^{-1}$		
$\Delta S=54.59 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
Fusion of $\beta$ -resorcinol.		
<b>Molecular Weight</b> 110.1122		
<b>Wiswesser Line Notation QR CQ</b>		
<b>Evaluation</b> A		

$C_6H_6O_2$ (c)		89BRI/LIC
1,3-Dihydroxybenzene; Resorcin; Resorcinol		
<b>Heat Capacity</b> 298.15 K, $C_p=135.53 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
Temperature range 200 to 500 K. $C_p(c)=126.876+0.3316t+5.6228 \times 10^{-4}t^2+9.5321 \times 10^{-6}t^3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1} (t^\circ\text{C})$ . $C_p$ value calculated from equation.		
<b>Phase Changes</b>		
c,II/c,I 366.75 K, $\Delta H=1200 \text{ J} \cdot \text{mol}^{-1}$		
$\Delta S=3.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
c,I/liq 382.55 K, $\Delta H=18900 \text{ J} \cdot \text{mol}^{-1}$		
$\Delta S=59 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
<b>Molecular Weight</b> 110.1122		
<b>Wiswesser Line Notation QR CQ</b>		
<b>Evaluation</b> B		

$C_6H_6O_2$ (c)		03MAG
1,4-Dihydroxybenzene; Hydroquinone		
<b>Heat Capacity</b> 298 K, $C_p=118.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
One temperature. $C_p$ given as $0.258 \text{ cal} \cdot \text{g}^{-1} \cdot \text{K}^{-1}$ .		
<b>Molecular Weight</b> 110.1122		
<b>Wiswesser Line Notation QR DQ</b>		
<b>Evaluation</b> D		

$C_6H_6O_2$ (c)	24LAN	$C_6H_6S$ (liq)	36PAR/TOD
1,4-Dihydroxybenzene; Hydroquinone		Thiophenol; Phenyl mercaptan	
<b>Heat Capacity</b> 274.3 K,	$C_p=130.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.1 K,	$C_p=176.56 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 28 to 275 K. Value is unsmoothed experimental datum.		Temperature range 90 to 300 K.	
<b>Molecular Weight</b> 110.1122		<b>Entropy</b> 298.1 K,	$S=220.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b> QR DQ		Extrapolation below 90 K, 54.68 $\text{J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .	
<b>Evaluation</b> B		<b>Phase Changes</b>	
		c/liq 258.2 K,	$\Delta H=11478 \text{ J} \cdot \text{mol}^{-1}$
			$\Delta S=44.45 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
$C_6H_6O_2$ (c)	26AND	<b>Molecular Weight</b> 110.1734	
1,4-Dihydroxybenzene; Hydroquinone		<b>Wiswesser Line Notation</b> SHR	
<b>Heat Capacity</b> 297.9 K,	$C_p=133.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Evaluation</b> $B(C_p), C(S)$	
Temperature range 110 to 344 K. Value is unsmoothed experimental datum.			
<b>Molecular Weight</b> 110.1122		$C_6H_6S$ (liq)	56SCO/MCC2
<b>Wiswesser Line Notation</b> QR DQ		Thiophenol; Phenyl mercaptan	
<b>Evaluation</b> C		<b>Heat Capacity</b> 298.15 K,	$C_p=173.22 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
		Temperature range 10 to 380 K.	
		<b>Entropy</b> 298.15 K,	$S=222.80 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
$C_6H_6O_2$ (c)	26AND/LYN	<b>Phase Changes</b>	
1,4-Dihydroxybenzene; Hydroquinone		Lambda transition of about 167 $\text{J} \cdot \text{mol}^{-1}$ excess enthalpy at 110 to 135 K.	
<b>Heat Capacity</b> 298 K,	$C_p=139.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	c/liq 258.27 K,	$\Delta H=11447 \text{ J} \cdot \text{mol}^{-1}$
Temperature range 22 to 200 °C.			$\Delta S=44.32 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Phase Changes</b>		<b>Molecular Weight</b> 110.1734	
c/liq 445.5 K,	$\Delta H=27110 \text{ J} \cdot \text{mol}^{-1}$	<b>Wiswesser Line Notation</b> SHR	
	$\Delta S=60.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Evaluation</b> A	
<b>Molecular Weight</b> 110.1122		$C_6H_7N$ (liq)	71HAL/BAL
<b>Wiswesser Line Notation</b> QR DQ		1-Bicyclo[2.1.0]pentyl cyanide; 1-Cyanobicyclo[2.1.0]pentane	
<b>Evaluation</b> C		<b>Heat Capacity</b> 297 K,	$C_p=163.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
		One temperature.	
$C_6H_6O_2$ (c)	41SAT/SOG3	<b>Molecular Weight</b> 93.1280	
1,4-Dihydroxybenzene; Hydroquinone		<b>Wiswesser Line Notation</b> L34TJ ACN	
<b>Heat Capacity</b> 323 K,	$C_p=150.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Evaluation</b> C	
Temperature range 0 to 100 °C. Mean value.		$C_6H_7N$ (liq)	71HAL/BAL
<b>Molecular Weight</b> 110.1122		3-Methylenecyclobutyl cyanide; 1-Cyano-3-methylenecyclobutane	
<b>Wiswesser Line Notation</b> QR DQ		<b>Heat Capacity</b> 297 K,	$C_p=190.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Evaluation</b> C		One temperature.	
Same data as 40SAT/SOG4.		<b>Molecular Weight</b> 93.1280	
$C_6H_6O_2$ (c)	50UEB/ORT	<b>Wiswesser Line Notation</b> L4YTJ AU1 CCN	
1,4-Dihydroxybenzene; Hydroquinone		<b>Evaluation</b> C	
<b>Heat Capacity</b> 298.15 K,	$C_p=136.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	$C_6H_7N$ (liq)	01KAH
Temperature range 293 to 368 K. Equation only.		2-Methylpyridine; $\alpha$ -Picoline	
<b>Molecular Weight</b> 110.1122		<b>Heat Capacity</b>	$C_p=169.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b> QR DQ		Temperature range 294.15 to 403.15 K. Heat capacity is an average value over the temperature range.	
<b>Evaluation</b> C		<b>Molecular Weight</b> 93.1280	
		<b>Wiswesser Line Notation</b> T6NJ B1	
$C_6H_6O_2$ (c)	89BRI/LIC	<b>Evaluation</b> D	
1,4-Dihydroxybenzene; Hydroquinone		$C_6H_7N$ (liq)	63SCO/HUE
<b>Heat Capacity</b> 298.15 K,	$C_p=131.90 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	2-Methylpyridine; $\alpha$ -Picoline	
Temperature range 200 to 500 K. $C_p(c)=125.328+0.2791t - 1.0329 \times 10^{-3}t^2 + 1.5075 \times 10^{-5}t^3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1} (\text{t}/\text{°C})$ . $C_p$ value calculated from equation.		<b>Heat Capacity</b> 298.15 K,	$C_p=158.41 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Phase Changes</b>		Temperature range 12 to 370 K.	
c/liq 444.95 K,	$\Delta H=26500 \text{ J} \cdot \text{mol}^{-1}$	<b>Entropy</b> 298.15 K,	$S=217.86 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
	$\Delta S=59 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Phase Changes</b>	
<b>Molecular Weight</b> 110.1122		c/liq 206.45 K,	$\Delta H=9724.0 \text{ J} \cdot \text{mol}^{-1}$
<b>Wiswesser Line Notation</b> QR DQ			$\Delta S=47.10 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Evaluation</b> B		<b>Molecular Weight</b> 93.1280	
		<b>Wiswesser Line Notation</b> T6NJ B1	
		<b>Evaluation</b> A	

$C_6H_7N$ (liq)		63SCO/GOO	$C_6H_7N$ (c)	03FOR
3-Methylpyridine; $\beta$ -Picoline			Aniline	
<b>Heat Capacity</b>	298.15 K, Temperature range 12 to 400 K.	$C_p = 158.69 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	258 K, $C_p = 87 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Entropy</b>	298.15 K,	$S = 216.31 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Temperature range 251 to 265 K. $C_p = 0.223 \text{ cal/g} \cdot \text{K}$ at $-15^\circ\text{C}$ .	
<b>Phase Changes</b>		$\Delta H = 14180 \text{ J} \cdot \text{mol}^{-1}$	<b>Phase Changes</b>	
c/liq	255.01 K,	$\Delta S = 55.61 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	c/liq	266.12 K, $\Delta H = 15500 \text{ J} \cdot \text{mol}^{-1}$
<b>Molecular Weight</b>	93.1280		<b>Molecular Weight</b>	93.1280
<b>Wiswesser Line Notation</b>	T6NJ C1		<b>Wiswesser Line Notation ZR</b>	
<b>Evaluation</b>	A		<b>Evaluation</b>	D
$C_6H_7N$ (liq)		86STE/CHI	$C_6H_7N$ (liq)	03FOR
4-Methylpyridine			Aniline	
<b>Heat Capacity</b>	298.15 K, Temperature range 10 to 410 K.	$C_p = 158.99 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	273 K, One temperature. $C_p = 0.4838 \text{ cal/g} \cdot \text{K}$ at $0^\circ\text{C}$ .
<b>Entropy</b>	298.15 K,	$S = 208.22 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b>	93.1280
<b>Phase Changes</b>			<b>Wiswesser Line Notation ZR</b>	
c,II/c,I	255.010 K		<b>Evaluation</b>	S
c,I/liq	276.818 K			
<b>Molecular Weight</b>	93.1280			
<b>Wiswesser Line Notation</b>	T6NJ D1			
<b>Evaluation</b>	A			
$C_6H_7N$ (liq)		87MES/TOD	$C_6H_7N$ (liq)	28LAN
4-Methylpyridine			Aniline	
<b>Heat Capacity</b>	298.15 K, Temperature range 10 to 410 K.	$C_p = 158.99 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.2 K, $C_p = 193.38 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Entropy</b>	298.15 K,	$S = 208.22 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Temperature range 5 to 60 $^\circ\text{C}$ .	
<b>Phase Changes</b>			<b>Molecular Weight</b>	93.1280
c,II/c,I	255.010 K,	$\Delta H = 0.083 \text{ J} \cdot \text{mol}^{-1}$	<b>Wiswesser Line Notation ZR</b>	
c,I/liq	276.817 K,	$\Delta H = 12577 \text{ J} \cdot \text{mol}^{-1}$	<b>Evaluation</b>	B
<b>Molecular Weight</b>	93.1280	$\Delta S = 45.43 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
<b>Wiswesser Line Notation</b>	T6NJ D1			
<b>Evaluation</b>	A			
$C_6H_7N$ (liq)		88MES/TOD	$C_6H_7N$ (liq)	33FER/MIL
4-Methylpyridine			Aniline	
<b>Heat Capacity</b>	298.150 K, Temperature range 10 to 400 K.	$C_p = 158.988 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K, $C_p = 178.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Entropy</b>	298.150 K,	$S = 209.091 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Temperature range 293 to 323 K. Data calculated from equation.	
<b>Phase Changes</b>			<b>Molecular Weight</b>	93.1280
c,II/c,I	255.00 K,	$\Delta H = 0.00 \text{ J} \cdot \text{mol}^{-1}$	<b>Wiswesser Line Notation ZR</b>	
c,I/liq	276.818 K,	$\Delta H = 12582.28 \text{ J} \cdot \text{mol}^{-1}$	<b>Evaluation</b>	B
<b>Molecular Weight</b>	93.1280	$\Delta S = 45.45 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
<b>Wiswesser Line Notation</b>	T6NJ D1			
<b>Evaluation</b>	A			
$C_6H_7N$ (liq)		1881REI	$C_6H_7N$ (liq)	33PAR/HUF
Aniline			Aniline	
<b>Heat Capacity</b>	298 K, Temperature range 290 to 465 K.	$C_p = 192.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.2 K, $C_p = 190.92 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	93.1280		Temperature range 94 to 298 K. Value is unsmoothed experimental datum.	
<b>Wiswesser Line Notation ZR</b>			<b>Entropy</b>	298.1 K, $S = 191.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Evaluation</b>	D		Extrapolation below 90 K, 45.27 $\text{J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .	
$C_6H_7N$ (liq)		02LOU	<b>Phase Changes</b>	
Aniline			c/liq	266.8 K, $\Delta H = 10556 \text{ J} \cdot \text{mol}^{-1}$
<b>Heat Capacity</b>	370 K, Mean value 20 to 176 $^\circ\text{C}$ .	$C_p = 213 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		$\Delta S = 39.57 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	93.1280			
<b>Wiswesser Line Notation ZR</b>			<b>Molecular Weight</b>	93.1280
<b>Evaluation</b>	D		<b>Wiswesser Line Notation ZR</b>	
<b>Evaluation</b>	D		<b>Evaluation</b>	B( $C_p$ ),C(S)
$C_6H_7N$ (liq)			$C_6H_7N$ (liq)	34RAD/JUL
Aniline			Aniline	
<b>Heat Capacity</b>	267.3 K,		<b>Heat Capacity</b>	288 K, $C_p = 183.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
	One temperature.			
<b>Molecular Weight</b>	93.1280		<b>Molecular Weight</b>	93.1280
<b>Wiswesser Line Notation ZR</b>			<b>Wiswesser Line Notation ZR</b>	
<b>Evaluation</b>	C		<b>Evaluation</b>	C
$C_6H_7N$ (liq)			$C_6H_7N$ (liq)	42ZIE/AND
Aniline			Aniline	
<b>Heat Capacity</b>	267.3 K,		<b>Heat Capacity</b>	267.3 K, $C_p = 109.20 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
	Temperature range 40.84 K.			
<b>Molecular Weight</b>	93.1280		<b>Molecular Weight</b>	93.1280
<b>Wiswesser Line Notation ZR</b>			<b>Wiswesser Line Notation ZR</b>	
<b>Evaluation</b>	B		<b>Evaluation</b>	B

$C_6H_7N$ (liq)		50HOU/MAS	$C_6H_7NO$ (c)	89BRI/LIC
Aniline			3-Aminophenol	
<b>Heat Capacity</b>	323 K,	$C_p = 197.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K, $C_p = 137.85 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 323 to 453 K.			Temperature range 200 to 500 K. $C_p(c) = 127.586 + 0.4029 \times 10^{-5}t^2 + 1.3004 \times 10^{-5}t^3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ ( $t^\circ\text{C}$ ). $C_p$ value calculated from equation.	
<b>Molecular Weight</b>	93.1280			
<b>Wiswesser Line Notation</b>	ZR			
<b>Evaluation</b>	B		<b>Phase Changes</b>	
			c/liq	394.15 K, $\Delta H = 24700 \text{ J} \cdot \text{mol}^{-1}$
				$\Delta S = 63 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
$C_6H_7N$ (liq)		57CRU/JOS	<b>Molecular Weight</b>	109.1274
Aniline			<b>Wiswesser Line Notation</b>	ZR CQ
<b>Heat Capacity</b>	293 K,	$C_p = 192.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Evaluation</b>	B
One temperature.				
<b>Molecular Weight</b>	93.1280			
<b>Wiswesser Line Notation</b>	ZR			
<b>Evaluation</b>	B			
$C_6H_7N$ (liq)		62HAT/HIL	$C_6H_7NO$ (c)	90SIN/GUJ
Aniline			3-Aminophenol	
<b>Heat Capacity</b>	298.15 K,	$C_p = 192.05 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Phase Changes</b>	
Temperature range 15 to 300 K. $C_p(\text{liq, cal/mol} \cdot \text{K}) = 33.71 + 0.0409T$ (15 to 300 K).			c/liq	396 K, $\Delta H = 22967 \text{ J} \cdot \text{mol}^{-1}$
<b>Entropy</b>	298.15 K,	$S = 191.30 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b>	109.1274
<b>Phase Changes</b>			<b>Wiswesser Line Notation</b>	ZR CQ
c/liq	267.13 K,	$\Delta H = 10539 \text{ J} \cdot \text{mol}^{-1}$	<b>Evaluation</b>	A
<b>Molecular Weight</b>	93.1280			
<b>Wiswesser Line Notation</b>	ZR			
<b>Evaluation</b>	A			
$C_6H_7N$ (liq)		71DES/BHA	$C_6H_7NO$ (c)	89BRI/LIC
Aniline			4-Aminophenol	
<b>Heat Capacity</b>	298 K,	$C_p = 193.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K, $C_p = 139.36 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 298 to 318 K.			Temperature range 200 to 500 K. $C_p(c) = 127.665 + 0.4447 \times 10^{-4}t^2 + 5.4576 \times 10^{-5}t^3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ ( $t^\circ\text{C}$ ). $C_p$ value calculated from equation.	
<b>Molecular Weight</b>	93.1280			
<b>Wiswesser Line Notation</b>	ZR		<b>Phase Changes</b>	
<b>Evaluation</b>	B		c/liq	459.45 K, $\Delta H = 31200 \text{ J} \cdot \text{mol}^{-1}$
				$\Delta S = 68 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
$C_6H_7N$ (liq)		75NIC/WAD	<b>Molecular Weight</b>	109.1274
Aniline			<b>Wiswesser Line Notation</b>	ZR DQ
<b>Heat Capacity</b>	298.15 K,	$C_p = 191.01 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Evaluation</b>	B
One temperature.				
<b>Molecular Weight</b>	93.1280			
<b>Wiswesser Line Notation</b>	ZR			
<b>Evaluation</b>	B			
$C_6H_7N$ (liq)		87LES/LIC	$C_6H_7NO_2S$ (c)	41SAT/SOG
Aniline			Benzenesulfonamide	
<b>Heat Capacity</b>	298 K,	$C_p = 194.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	323 K, $C_p = 193.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 200 to 300 K.			Temperature range 0 to 100 °C. Mean value.	
<b>Phase Changes</b>			<b>Molecular Weight</b>	157.1868
c/liq	267 K		<b>Wiswesser Line Notation</b>	ZSWR
<b>Molecular Weight</b>	93.1280		<b>Evaluation</b>	C
<b>Wiswesser Line Notation</b>	ZR		Same data as 40SAT/SOG3.	
<b>Evaluation</b>	B			
$(C_6H_7N_3O)_n$ (c)		89BRI/LIC	$(C_6H_7N_3O)_n$ (c)	91RO
2-Aminophenol			Poly-L-histidine	
<b>Heat Capacity</b>	298.15 K,	$C_p = 139.33 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	300 K, $C_p = 147.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 200 to 500 K. $C_p(c) = 129.427 + 0.4186t - 1.1879 \times 10^{-5}t^2 + 1.1367 \times 10^{-5}t^3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ ( $t^\circ\text{C}$ ). $C_p$ value calculated from equation.			Temperature range 220 to 330 K.	
<b>Phase Changes</b>			<b>Molecular Weight</b>	137.1408
c/liq	447.35 K,	$\Delta H = 34000 \text{ J} \cdot \text{mol}^{-1}$	<b>Wiswesser Line Notation</b>	/*VY1- ET5M CNJ &M*/ -L
<b>Molecular Weight</b>	109.1274	$\Delta S = 76 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Evaluation</b>	B
<b>Wiswesser Line Notation</b>	ZR BQ			
<b>Evaluation</b>	B			
$(C_6H_7N_3O)_n$ (c)		89BRI/LIC	$(C_6H_7N_3O)_n$ (c)	93ROL/XE
2-Aminophenol			Poly-L-histidine	
<b>Heat Capacity</b>	298.15 K,	$C_p = 139.33 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	300 K, $C_p = 147.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 200 to 500 K. $C_p(c) = 129.427 + 0.4186t - 1.1879 \times 10^{-5}t^2 + 1.1367 \times 10^{-5}t^3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ ( $t^\circ\text{C}$ ). $C_p$ value calculated from equation.			Temperature range 220 to 390 K.	
<b>Phase Changes</b>			<b>Molecular Weight</b>	137.1408
c/liq	447.35 K,	$\Delta H = 34000 \text{ J} \cdot \text{mol}^{-1}$	<b>Wiswesser Line Notation</b>	/*VY1- ET5M CNJ &M*/ -L
<b>Molecular Weight</b>	109.1274	$\Delta S = 76 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Evaluation</b>	B
<b>Wiswesser Line Notation</b>	ZR BQ			
<b>Evaluation</b>	B			

$(C_6H_7N_3O \cdot HCl)_n$ (c)		91ROL	$C_p = 177.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	$C_6H_8BrN$ (c)		61SUG
Poly-L-histidine hydrochloride				Aniline hydrobromide		
<b>Heat Capacity</b> 300 K,				<b>Heat Capacity</b> 298.75 K,	$C_p = 159.62 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 220 to 390 K.				Temperature range -74 to 67 °C. Value is unsmoothed experimental datum.		
<b>Molecular Weight</b> 173.6017				<b>Phase Changes</b>		
<b>Wiswesser Line Notation</b> /*VY1- ET5M CNJ A &EH &M*/ -L				c,II/c,I	293 K,	$\Delta H = 1243 \text{ J} \cdot \text{mol}^{-1}$
<b>Evaluation</b> B						$\Delta S = 4.60 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
						Values obtained by summing excess specific heat between -20 °C and transition temperature.
$(C_6H_7N_3O \cdot HCl)_n$ (c)		93ROL/XEN	$C_p = 177.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b> 174.0399		
Poly-L-histidine hydrochloride				<b>Wiswesser Line Notation</b> ZR &EH		
<b>Heat Capacity</b> 300 K,				<b>Evaluation</b> B		
Temperature range 220 to 390 K.						
<b>Molecular Weight</b> 173.6017						
<b>Wiswesser Line Notation</b> /*VY1- ET5M CNJ A &EH &M*/ -L						
<b>Evaluation</b> B						
$C_6H_8$ (liq)		76GEI/WOL		$C_6H_8BrN$ (c)		78KOJ
1,3-Cyclohexadiene				Aniline hydrobromide		
<b>Heat Capacity</b> 298.15 K,				<b>Heat Capacity</b>		
Temperature range 10 to 300 K.				Temperature range 200 to 320 K. Data given graphically.		
<b>Entropy</b> 298.15 K,				<b>Phase Changes</b>		
<b>Phase Changes</b>				c,II/c,I	230–300 K,	$\Delta H = 1142 \text{ J} \cdot \text{mol}^{-1}$
c/liq	161.0 K,		$C_p = 144.56 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			$\Delta S = 3.87 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b> 80.1292			$S = 197.28 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			Peak at 295 K for order-disorder transition which extends over a 70 K range (230–300 K).
<b>Wiswesser Line Notation</b> L6U CUTJ			$\Delta H = 4204.5 \text{ J} \cdot \text{mol}^{-1}$	<b>Molecular Weight</b> 174.0399		
<b>Evaluation</b> B			$\Delta S = 26.11 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Wiswesser Line Notation</b> ZR &EH		
				<b>Evaluation</b> B		
$C_6H_8$ (liq)		89STE/CHI3	$C_p = 141.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	$C_6H_8N_2$ (liq)		81LEB/RYA
1,3-Cyclohexadiene				Phenylhydrazine		
<b>Heat Capacity</b> 298.15 K,				<b>Heat Capacity</b> 299.45 K,	$C_p = 217.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
One temperature.				Temperature range 293 to 358 K.		
<b>Molecular Weight</b> 80.1292				<b>Molecular Weight</b> 108.1426		
<b>Wiswesser Line Notation</b> L6U CUTJ				<b>Wiswesser Line Notation</b> ZMR		
<b>Evaluation</b> B				<b>Evaluation</b> B		
$C_6H_8$ (liq)		76GEI/WOL	$C_p = 145.94 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	$C_6H_8N_2$ (c)		73KUN/KAR
1,4-Cyclohexadiene				1,2-Phenylenediamine		
<b>Heat Capacity</b> 298.15 K,				<b>Heat Capacity</b> 300 K,	$C_p = 162.13 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 10 to 300 K.				Temperature range 20 to 300 K.		
<b>Entropy</b> 298.15 K,				<b>Entropy</b> 300 K,	$S = 152.09 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Phase Changes</b>				<b>Molecular Weight</b> 108.1426		
c,II/c,I	192.0 K,		$\Delta H = 816 \text{ J} \cdot \text{mol}^{-1}$	<b>Wiswesser Line Notation</b> ZR: BZ		
			$\Delta S = 4.25 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Evaluation</b> A		
c,II/liq	224.0 K,		$\Delta H = 5715.3 \text{ J} \cdot \text{mol}^{-1}$			
			$\Delta S = 25.51 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
<b>Molecular Weight</b> 80.1292						
<b>Wiswesser Line Notation</b> L6U DUTJ						
<b>Evaluation</b> B						
$C_6H_8$ (liq)		89STE/CHI3	$C_p = 142.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	$C_6H_8N_2$ (c)		89BRE/LIC
1,4-Cyclohexadiene				1,2-Phenylenediamine		
<b>Heat Capacity</b> 298.15 K,				<b>Heat Capacity</b> 298.15 K,	$C_p = 150.82 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
One temperature.				Temperature range 200 to 500 K. $C_p(c) = 135.620 + 0.5717t + 1.1893 \times 10^{-3}t^2 + 1.0768 \times 10^{-5}t^3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ ( $t^\circ\text{C}$ ). $C_p$ value calculated from equation.		
<b>Molecular Weight</b> 80.1292				<b>Phase Changes</b>		
<b>Wiswesser Line Notation</b> L6U DUTJ				c/liq	373.85 K,	$\Delta H = 23100 \text{ J} \cdot \text{mol}^{-1}$
<b>Evaluation</b> B						$\Delta S = 62 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
				<b>Molecular Weight</b> 108.1426		
				<b>Wiswesser Line Notation</b> ZR: BZ		
				<b>Evaluation</b> B		
$C_6H_8N_2$ (c)		73KUN/KAR		$C_6H_8N_2$ (c)		
1,3-Phenylenediamine				Aniline		
<b>Heat Capacity</b> 300 K,				<b>Heat Capacity</b> 300 K,	$C_p = 161.08 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 20 to 300 K.				Temperature range 20 to 300 K.		
<b>Entropy</b> 300 K,				<b>Entropy</b> 300 K,	$S = 149.49 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Molecular Weight</b> 108.1426				<b>Molecular Weight</b> 108.1426		
<b>Wiswesser Line Notation</b> ZR: CZ				<b>Wiswesser Line Notation</b> ZR: CZ		
<b>Evaluation</b> A				<b>Evaluation</b> A		

$C_6H_8N_2$ (c)		84RAB/KAR	$C_6H_8N_2O_2$ (c)		84ZIE/ZIE
1,3-Phenylenediamine			1,3-Dimethyluracil		
<b>Heat Capacity</b>	298.15 K,	$C_p = 159.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Phase Changes</b>		
Temperature range 13 to 500 K.			c/liq	392.5 K,	$\Delta H = 23100 \text{ J} \cdot \text{mol}^{-1}$
<b>Entropy</b>	298.15 K,	$S = 154.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			$\Delta S = 58.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Phase Changes</b>					
c/liq	339.1 K,	$\Delta H = 15570 \text{ J} \cdot \text{mol}^{-1}$	<b>Molecular Weight</b>	140.1414	
		$\Delta S = 45.92 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Wiswesser Line Notation</b>	T6NVNVJ A1 C1	
<b>Molecular Weight</b>	108.1426		<b>Evaluation</b>	B	
<b>Wiswesser Line Notation</b>	ZR CZ				
<b>Evaluation</b>	A				
$C_6H_8N_2$ (liq)		87LES/LIC	$C_6H_8N_2O_2$ (c)		89IMA/TAK
1,3-Phenylenediamine			1,3-Dimethyluracil		
<b>Heat Capacity</b>	298 K,	$C_p = 153.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p = 170 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 220 to 400 K.			One temperature, estimated.		
<b>Phase Changes</b>			<b>Phase Changes</b>		
c/liq	337 K		c/g	298.15 K,	$\Delta H = 96900 \text{ J} \cdot \text{mol}^{-1}$
<b>Molecular Weight</b>	108.1426				$\Delta S = 325.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b>	ZR CZ		<b>Molecular Weight</b>	140.1414	
<b>Evaluation</b>	B		<b>Wiswesser Line Notation</b>	T6NVNVJ A1 C1	
$C_6H_8N_2$ (c)		89BRI/LIC	<b>Evaluation</b>	B	
1,3-Phenylenediamine					
<b>Heat Capacity</b>	298.15 K.	$C_p = 152.89 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	$C_6H_8N_2O_2$ (c)		89SAK/IMA
Temperature range 200 to 500 K. $C_p(c) = 136.419 + 0.5202t + 3.9721 \times 10^{-3}t^2 + 6.2879 \times 10^{-5}t^3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1} (\text{t}^\circ\text{C})$			1,3-Dimethyluracil		
calculated from equation.			<b>Phase Changes</b>		
<b>Phase Changes</b>			c,II/liq	394 K,	$\Delta H = 18400 \text{ J} \cdot \text{mol}^{-1}$
c/liq	335.45 K,	$\Delta H = 15400 \text{ J} \cdot \text{mol}^{-1}$	Melting of the metastable phase.		
		$\Delta S = 46 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	c,I/liq	398 K,	$\Delta H = 14600 \text{ J} \cdot \text{mol}^{-1}$
<b>Molecular Weight</b>	108.1426		Melting of the stable phase.		
<b>Wiswesser Line Notation</b>	ZR CZ		<b>Molecular Weight</b>	140.1414	
<b>Evaluation</b>	B		<b>Wiswesser Line Notation</b>	T6NVNVJ A1 C1	
$C_6H_8N_2$ (c)		73KUN/KAR	<b>Evaluation</b>	A	
1,4-Phenylenediamine					
<b>Heat Capacity</b>	300 K,	$C_p = 155.64 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	$C_6H_8N_2O_2S$ (c)		41SAT/SOG2
Temperature range 20 to 300 K.			p-Aminobenzenesulfonamide		
<b>Entropy</b>	300 K,	$S = 149.70 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	323 K,	$C_p = 220.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	108.1426		Temperature range 0 to 100 °C. Mean value.		
<b>Wiswesser Line Notation</b>	ZR DZ		<b>Molecular Weight</b>	172.2014	
<b>Evaluation</b>	B		<b>Wiswesser Line Notation</b>	ZSWR DZ	
$C_6H_8N_2$ (c)		89BRI/LIC	<b>Evaluation</b>	C	
1,4-Phenylenediamine			Same data as 40SAT/SOG3.		
<b>Heat Capacity</b>	298.15 K.	$C_p = 152.69 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
Temperature range 200 to 500 K. $C_p(c) = 139.327 + 0.5240t - 3.9651 \times 10^{-5}t^2 + 1.8530 \times 10^{-5}t^3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1} (\text{t}^\circ\text{C})$					
calculated from equation.					
<b>Phase Changes</b>			$(C_6H_8N_2O_9)_n$ (c)		85RAB/KHL
c/liq	412.25 K,	$\Delta H = 21700 \text{ J} \cdot \text{mol}^{-1}$	Cellulose nitrate		
		$\Delta S = 52 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p = 279.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	108.1426		Temperature range 10 to 370 K.		
<b>Wiswesser Line Notation</b>	ZR DZ		<b>Entropy</b>	298.15 K,	$S = 318.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Evaluation</b>	B		<b>Molecular Weight</b>	252.1373	
$C_6H_8N_2$ (c)		90RAI/MAN	<b>Wiswesser Line Notation</b>	/T50TJ B* CONW DONW EO* FIQ/	
1,4-Phenylenediamine			<b>Evaluation</b>	B	
<b>Phase Changes</b>			11.9% nitrogen content. Dinitrocellulose has a nitrogen content of 11.11%.		
c/liq	416 K,	$\Delta H = 24900 \text{ J} \cdot \text{mol}^{-1}$			
		$\Delta S = 59.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
Temperature from graph.					
<b>Molecular Weight</b>	108.1426				
<b>Wiswesser Line Notation</b>	ZR DZ				
<b>Evaluation</b>	A				
$C_6H_8O_2$ (liq)			$C_6H_8O_2$ (liq)		71HAL/BAI
Methyl bicyclo[1.1.0]butane-1-carboxylate					
<b>Heat Capacity</b>	297 K,	$C_p = 192.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
One temperature.					
<b>Molecular Weight</b>	112.1280				
<b>Wiswesser Line Notation</b>	L33TJ AVO1				
<b>Evaluation</b>	C				

<b>C<sub>6</sub>H<sub>8</sub>O<sub>2</sub></b> (c)	92PAJ/LAT	<b>C<sub>6</sub>H<sub>8</sub>O<sub>4</sub></b> (c)	80KUL/LEB
1,3-Cyclohexanedione		Lactide(DL); 3,6-Dimethyl-1,4-dioxane-2,5-dione	
<b>Phase Changes</b>		<b>Heat Capacity</b> 298.15 K, $C_p = 184.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
c,II/c,I 287 K, $\Delta H = 493 \text{ J} \cdot \text{mol}^{-1}$		Temperature range 5 to 430 K.	
<b>Molecular Weight</b> 112.1280		<b>Entropy</b> 298.15 K, $S = 213.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Wiswesser Line Notation L6V CVTJ		<b>Phase Changes</b>	
<b>Evaluation</b> B		c/liq 397.5 K, $\Delta H = 24700 \text{ J} \cdot \text{mol}^{-1}$	
		$\Delta S = 62.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Molecular Weight</b> 144.1268		<b>Molecular Weight</b> 144.1268	
<b>Wiswesser Line Notation</b> T6OV DOVTJ C1 F1		<b>Evaluation</b> A	
<b>Evaluation</b>			
<b>C<sub>6</sub>H<sub>8</sub>O<sub>2</sub></b> (c)	93PIL/PAR	<b>C<sub>6</sub>H<sub>8</sub>O<sub>4</sub></b> (c)	82KUL/LEB2
1,3-Cyclohexanedione		Lactide(DL); 3,6-Dimethyl-1,4-dioxane-2,5-dione	
<b>Phase Changes</b>		<b>Heat Capacity</b> 298.15 K, $C_p = 184.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
c/g 298.15 K, $\Delta H = 89800 \text{ J} \cdot \text{mol}^{-1}$		Temperature range 8 to 430 K.	
<b>Molecular Weight</b> 112.1280		<b>Entropy</b> 298.15 K, $S = 213.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Wiswesser Line Notation L6V CVTJ		<b>Phase Changes</b>	
<b>Evaluation</b> A		c/liq 397 K	
<b>Molecular Weight</b> 144.1268		<b>Molecular Weight</b> 144.1268	
Wiswesser Line Notation T6OV DOVTJ C1 F1		<b>Evaluation</b> A	
<b>Evaluation</b>		T(glass)=277 K.	
<b>C<sub>6</sub>H<sub>8</sub>O<sub>2</sub></b> (c)	83DEW/DEK	<b>C<sub>6</sub>H<sub>8</sub>O<sub>4</sub></b> (c)	82LEB/KUL
1,4-Cyclohexanedione		Lactide(DL); 3,6-Dimethyl-1,4-dioxane-2,5-dione	
<b>Heat Capacity</b> 300 K, $C_p = 161.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K, $C_p = 184.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 90 to 310 K. Linearly extrapolated.		Temperature range 8 to 330 K.	
<b>Phase Changes</b>		<b>Entropy</b> 298.15 K, $S = 213.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
c,III/c,II 319.89 K		<b>Molecular Weight</b> 144.1268	
c,II/c,I 336.73 K		<b>Wiswesser Line Notation</b> T6OV DOVTJ C1 F1	
c,I/liq 351.6 K, $\Delta H = 11325 \text{ J} \cdot \text{mol}^{-1}$		<b>Evaluation</b> A	
<b>Molecular Weight</b> 112.1280		T(glass)=277 K.	
Wiswesser Line Notation L6V DVTJ			
<b>Evaluation</b> B( $C_p$ ), A(Phase changes).			
<b>C<sub>6</sub>H<sub>8</sub>O<sub>2</sub></b> (c)	93PIL/PAR	<b>(C<sub>6</sub>H<sub>8</sub>O<sub>4</sub>)<sub>n</sub></b> (gls)	82KUL/LEB2
1,4-Cyclohexanedione		Polylactide(DL)	
<b>Phase Changes</b>		<b>Heat Capacity</b> 298.15 K, $C_p = 264.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
c/g 298.15 K, $\Delta H = 75000 \text{ J} \cdot \text{mol}^{-1}$		Temperature range 8 to 360 K. High-elastic state.	
<b>Molecular Weight</b> 112.1280		<b>Entropy</b> 298.15 K, $S = 244.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Wiswesser Line Notation L6V DVTJ		High-elastic state.	
<b>Evaluation</b> A		<b>Molecular Weight</b> 144.1268	
		<b>Wiswesser Line-Notation</b> /*VY1&OVY1&O*/	
<b>C<sub>6</sub>H<sub>8</sub>O<sub>4</sub></b> (liq)	30WAS	<b>Evaluation</b> A	
Dimethyl malate		T(glass)=277 K.	
<b>Heat Capacity</b> 298 K, $C_p = 163.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
Temperature range 0 to 99 °C.			
<b>Phase Changes</b>			
c/liq 254 K, $\Delta H = 14640 \text{ J} \cdot \text{mol}^{-1}$			
$\Delta S = 58 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
<b>Molecular Weight</b> 144.1268			
Wiswesser Line Notation 1OV1U1VO1 -C			
<b>Evaluation</b> C			
<b>C<sub>6</sub>H<sub>8</sub>O<sub>4</sub></b> (c)	30WAS	<b>C<sub>6</sub>H<sub>8</sub>O<sub>7</sub></b> (c)	82DEK/VAN
Dimethyl fumarate		Citric acid	
<b>Heat Capacity</b> 298 K, $C_p = 199.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 300 K, $C_p = 226.51 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 014 to 99 °C.		Temperature range 90 to 330 K.	
<b>Phase Changes</b>		<b>Entropy</b> 300 K, $S = 252.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
c/liq 375 K, $\Delta H = 35150 \text{ J} \cdot \text{mol}^{-1}$		<b>Molecular Weight</b> 192.1250	
$\Delta S = 94 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		Wiswesser Line Notation QV1XQVQ1VQ	
<b>Molecular Weight</b> 144.1268		<b>Evaluation</b> B( $C_p$ ), C(S)	
Wiswesser Line Notation 1OV1U1VO1 -T			
<b>Evaluation</b> C			
<b>C<sub>6</sub>H<sub>8</sub>O<sub>7</sub> · H<sub>2</sub>O</b> (c)	62EVA/HOA	<b>C<sub>6</sub>H<sub>8</sub>O<sub>7</sub></b> (c)	62EVA/HOA
Citric acid monohydrate		Citric acid monohydrate	
<b>Heat Capacity</b> 298.15 K, $C_p = 268.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K, $C_p = 268.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 21 to 303 K.		Temperature range 21 to 303 K.	
<b>Entropy</b> 298.15 K, $S = 283.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Entropy</b> 298.15 K, $S = 283.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Molecular Weight</b> 210.1402		<b>Molecular Weight</b> 210.1402	
Wiswesser Line Notation QV1XQVQ1VQ &QH		Wiswesser Line Notation QV1XQVQ1VQ &QH	
<b>Evaluation</b> A		<b>Evaluation</b> A	

$C_6H_8S$ (liq)		65CAR/WES	$C_6H_9N$ (liq)		86STE/CHI
2,5-Dimethylthiophene			2,5-Dimethylpyrrole		
<b>Heat Capacity</b>	298.15 K, Temperature range 5 to 305 K.	$C_p=178.32 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K, Temperature range 10 to 400 K.	$C_p=195.30 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Entropy</b>	298.15 K,	$S=244.72 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Entropy</b>	298.15 K,	$S=212.13 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Phase Changes</b>			<b>Phase Changes</b>		
c,I/liq	210.58 K,	$\Delta H=8191.0 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S=38.90 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	c/liq	280.904 K	
c,II/liq	204.87 K,	$\Delta H=7401.1 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S=36.12 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b>	95.1438	
		Metastable crystals. Note error in table on $\Delta H_m$ and $T_m$ .	<b>Wiswesser Line Notation</b>	T5MJ B1 E1	
<b>Molecular Weight</b>	112.1892		<b>Evaluation</b>	A	
<b>Wiswesser Line Notation</b>	T5SJ B1 E1				
<b>Evaluation</b>	A				
$C_6H_9ClO_2$ (liq)		85KAR/ABD2	$C_6H_9N$ (liq)		87MES/TOD
Chloroethyl methacrylate			2,5-Dimethylpyrrole		
<b>Phase Changes</b>			<b>Heat Capacity</b>	298.15 K, Temperature range 10 to 400 K.	$C_p=195.30 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c/liq	235.1 K,	$\Delta H=17001 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S=72.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Entropy</b>	298.15 K,	$S=212.13 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	148.5889		<b>Phase Changes</b>		
<b>Wiswesser Line Notation</b>	G2OVY1&U1		c/liq	280.904 K,	$\Delta H=9296.0 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S=33.09 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Evaluation</b>	A		<b>Molecular Weight</b>	95.1438	
<b>Wiswesser Line Notation</b>	T5MJ B1 E1		<b>Evaluation</b>	A	
$C_6H_9Cu$ (c)		81LEB/BYK	$C_6H_9N$ (liq)		88MES/TOD
1-Hexynylcopper; Copper butylacetylenide			2,5-Dimethylpyrrole		
<b>Heat Capacity</b>	298.15 K, Temperature range 5 to 330 K.	$C_p=160.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.150 K, Temperature range 10 to 400 K.	$C_p=195.297 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Entropy</b>	298.15 K,	$S=180.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Entropy</b>	298.150 K,	$S=212.242 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	144.6831		<b>Phase Changes</b>		
<b>Wiswesser Line Notation</b>	-CU-1UU5		c/liq	280.904 K,	$\Delta H=9298.42 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S=33.10 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Evaluation</b>	A		<b>Molecular Weight</b>	95.1438	
<b>Wiswesser Line Notation</b>	T5MJ B1 E1		<b>Evaluation</b>	A	
$C_6H_9Cu$ (c)		82BYK/LEB	$C_6H_9N_3O_3$ (c)		89IMA/TAK
1-Hexynylcopper; Copper butylacetylenide			Trimethyl cyanurate		
<b>Heat Capacity</b>	298.15 K, Temperature range 5 to 330 K.	$C_p=160.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K, One temperature, estimated.	$C_p=207 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Entropy</b>	298.15 K,	$S=178.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Phase Changes</b>		
<b>Molecular Weight</b>	144.6831		c/g	298.15 K,	$\Delta H=90330 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S=303.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b>	-CU-1UU5		<b>Molecular Weight</b>	171.1554	
<b>Evaluation</b>	A		<b>Wiswesser Line Notation</b>	T6N CN ENJ BO1 DO1 FO1	
<b>Wiswesser Line Notation</b>			<b>Evaluation</b>	B	
$C_6H_9N$ (liq)		71HAL/BAL	$C_6H_9O_6Sc$ (c)		92OHT/MAT
Cyclopentyl cyanide; Cyanocyclopentane			Scandium ethanoate		
<b>Heat Capacity</b>	297 K,	$C_p=167.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K, Temperature range 11 to 300 K.	$C_p=229.89 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
	One temperature.		<b>Entropy</b>	298.15 K,	$S=322.27 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	95.1438		<b>Phase Changes</b>		
<b>Wiswesser Line Notation</b>	L5TJ ACN		c,III/c,II	59.0 K,	$\Delta H=213 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S=3.70 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Evaluation</b>	C			First-order transition.	
			c,II/c,I	167.0 K,	$\Delta H=536 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S=3.81 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
				Higher-order transition	
$C_6H_9N$ (liq)		86STE/CHI	<b>Molecular Weight</b>	222.0894	
2,4-Dimethylpyrrole			<b>Wiswesser Line Notation</b>	OV1 3 &-SC-	
<b>Heat Capacity</b>	298.15 K, Temperature range 10 to 450 K.	$C_p=192.19 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Evaluation</b>	A	
<b>Entropy</b>	298.15 K,	$S=222.01 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
<b>Phase Changes</b>					
c/liq	268.435 K				
<b>Molecular Weight</b>	95.1438				
<b>Wiswesser Line Notation</b>	T5MJ B1 D1				
<b>Evaluation</b>	A				

<b>C<sub>6</sub>H<sub>10</sub></b> (liq) 1,5-Hexadiene; Dialyl <b>Heat Capacity</b> 298 K, Temperature range 291 to 328 K. <b>Molecular Weight</b> 82.1450 <b>Wiswesser Line Notation</b> 1U4U1 <b>Evaluation</b> D	1881REI $C_p = 133.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>C<sub>6</sub>H<sub>10</sub></b> (liq) Cyclohexene <b>Heat Capacity</b> 298.12 K, Temperature range 183 to 298 K. Unsmoothed experimental datum. <b>Molecular Weight</b> 82.1450 <b>Wiswesser Line Notation</b> L6UTJ <b>Evaluation</b> B	88KAL/WOY $C_p = 152.90 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>C<sub>6</sub>H<sub>10</sub></b> (liq) 1-Methylcyclopentene <b>Heat Capacity</b> 298.15 K, One temperature. <b>Molecular Weight</b> 82.1450 <b>Wiswesser Line Notation</b> L5UTJ A1 <b>Evaluation</b> B	79FUC/PEA $C_p = 153.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>C<sub>6</sub>H<sub>10</sub></b> (liq) Cyclohexene <b>Heat Capacity</b> 298.15 K, One temperature. <b>Molecular Weight</b> 82.1450 <b>Wiswesser Line Notation</b> L6UTJ <b>Evaluation</b> A	93STE/CHI2 $C_p = 148.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>C<sub>6</sub>H<sub>10</sub></b> (liq) 3 Methylcyclopentene <b>Heat Capacity</b> 298.15 K, One temperature. <b>Molecular Weight</b> 82.1450 <b>Wiswesser Line Notation</b> L5UTJ C1 <b>Evaluation</b> B	79FUC/PEA $C_p = 152.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>(C<sub>6</sub>H<sub>10</sub>)<sub>n</sub></b> (c) Ethylene-butadiene copolymer <b>Heat Capacity</b> 298.15 K, Temperature range 30 to 330 K. <b>Entropy</b> 298.15 K, <b>Phase Changes</b> c,II/c,I 138.7 K, c,I/liq 169.0 K, <b>Molecular Weight</b> 82.1450 <b>Wiswesser Line Notation</b> L6UTJ <b>Evaluation</b> B	88LEB/SMI $C_p = 148.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ $S = 148.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>C<sub>6</sub>H<sub>10</sub></b> (liq) Cyclohexene <b>Heat Capacity</b> 293.2 K, Temperature range 92 to 293 K. Value is unsmoothed experimental datum. <b>Entropy</b> 298.15 K, Extrapolation below 90 K, 49.20 J·mol <sup>-1</sup> ·K <sup>-1</sup> . <b>Phase Changes</b> c,II/c,I 138.7 K, c,I/liq 169.0 K, <b>Molecular Weight</b> 82.1450 <b>Wiswesser Line Notation</b> L6UTJ <b>Evaluation</b> B( $C_p$ ),C(S)	30PAR/HUF2 $C_p = 145.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ $\Delta S = 216.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ $\Delta H = 4075 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 29.38 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ $\Delta H = 3289 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 19.46 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>C<sub>6</sub>H<sub>10</sub>ClN<sub>2</sub>O<sub>2</sub></b> (c) Histidine hydrochloride(L) <b>Heat Capacity</b> 298.15 K, Temperature range 11 to 305 K. <b>Entropy</b> 298.15 K, <b>Molecular Weight</b> 191.6169 <b>Wiswesser Line Notation</b> T5M DNJ B1YZVQ *GH -L <b>Evaluation</b> A	63COL/HUT2 $C_p = 249.53 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ $S = 276.10 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>C<sub>6</sub>H<sub>10</sub></b> (liq) Cyclohexene <b>Heat Capacity</b> 298.15 K, Temperature range 12 to 300 K. <b>Entropy</b> 298.15 K, <b>Phase Changes</b> c,II/c,I 138.7 K, c,I/liq 169.67 K, <b>Molecular Weight</b> 82.1450 <b>Wiswesser Line Notation</b> L6UTJ <b>Evaluation</b> A	48HUF/EAT $C_p = 149.16 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ $S = 216.19 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ $\Delta H = 4250.5 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 30.65 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ $\Delta H = 3293.2 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 19.41 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>C<sub>6</sub>H<sub>10</sub>N<sub>2</sub>O</b> (liq) 2,3-Diazabicyclo[2.2.2]oct-2-ene N-oxide <b>Phase Changes</b> c,III/c,II 359.2 K, c,II/c,I 399.3 K, c,I/liq 437.9 K, <b>Molecular Weight</b> 126.1582 <b>Wiswesser Line Notation</b> T66 A B DNUNTJ DUO <b>Evaluation</b> A	80BYS $\Delta H = 5020 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 14.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ $\Delta H = 8050 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 20.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ $\Delta H = 3840 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 8.77 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>C<sub>6</sub>H<sub>10</sub></b> (liq) Cyclohexene <b>Heat Capacity</b> 298.15 K, Temperature range 15 to 293 K. <b>Entropy</b> 298.15 K, <b>Phase Changes</b> c,III/c,I 112.3 K, c,II/c,I 138.63 K, c,I/liq 169.66 K, <b>Molecular Weight</b> 82.1450 <b>Wiswesser Line Notation</b> L6UTJ <b>Evaluation</b> A	77HAI/SUG2 $C_p = 148.35 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ $S = 214.60 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ $\Delta H = 1483 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 13.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ $\Delta H = 4231 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 30.52 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ $\Delta H = 3284 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 19.36 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>C<sub>6</sub>H<sub>10</sub>O</b> (liq) 4-Methylpenten-3-one-2; Mesityl oxide <b>Heat Capacity</b> 298 K, Temperature range 290 to 415 K. <b>Molecular Weight</b> 98.1444 <b>Wiswesser Line Notation</b> 1Y1&U1V1 <b>Evaluation</b> D	1881REI $C_p = 187.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$

$C_6H_{10}O$ (liq)		24HER/BLO	$C_6H_{10}O$ (liq)		80NAK/SUC
Cyclohexanone			Cyclohexene oxide		
<b>Heat Capacity</b>	290 K,	$C_p=177.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	300 K,	$C_p=166.12 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
One temperature.			Temperature range 13 to 300 K. Unsmoothed experimental datum for $C_p$ at 296.96 K is 164.98 $\text{J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ .		
<b>Molecular Weight</b>	98.1444		<b>Entropy</b>	300 K,	$S=221.98 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Wiswesser Line Notation</b>	L6VTJ		<b>Phase Changes</b>		
<b>Evaluation</b>	C		c,II/c,I	193.10 K,	$\Delta H=9535.1 \text{ J}\cdot\text{mol}^{-1}$
					$\Delta S=49.39 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
$C_6H_{10}O$ (liq)		39PHI	c,I/liq	238.14 K,	$\Delta H=1064.5 \text{ J}\cdot\text{mol}^{-1}$
Cyclohexanone					$\Delta S=4.470 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Heat Capacity</b>	304.2 K,	$C_p=200.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Molecular Weight</b>	98.1444	
One temperature.			<b>Wiswesser Line Notation</b>	T36 BOTJ	
<b>Molecular Weight</b>	98.1444		<b>Evaluation</b>	A	
<b>Wiswesser Line Notation</b>	L6VTJ				
<b>Evaluation</b>	C				
$C_6H_{10}O$ (liq)		80NAK/SUG	$C_6H_{10}O_2$ (liq)		79FUC
Cyclohexanone			Ethyl cyclopropanecarboxylate		
<b>Heat Capacity</b>	300 K,	$C_p=177.20 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p=213.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 13 to 300 K. Unsmoothed experimental datum for $C_p$ at 296.40 K is 175.96 $\text{J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ .			One temperature.		
<b>Entropy</b>	300 K,	$S=229.03 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Molecular Weight</b>	114.1438	
<b>Phase Changes</b>			<b>Wiswesser Line Notation</b>	L3TJ AVO2	
c,II/c,I	220.83 K,	$\Delta H=8659.6 \text{ J}\cdot\text{mol}^{-1}$	<b>Evaluation</b>	B	
		$\Delta S=39.22 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
c,I/liq	245.21 K,	$\Delta H=1327.6 \text{ J}\cdot\text{mol}^{-1}$	$C_6H_{10}O_2$ (liq)		71HAL/BAL
		$\Delta S=5.414 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	Methyl cyclobutanecarboxylate		
<b>Molecular Weight</b>	98.1444		<b>Heat Capacity</b>	297 K,	$C_p=190.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Wiswesser Line Notation</b>	L6VTJ		One temperature.		
<b>Evaluation</b>	A		<b>Molecular Weight</b>	114.1438	
			<b>Wiswesser Line Notation</b>	L4TJ AVO1	
			<b>Evaluation</b>	D	
$C_6H_{10}O$ (liq)		92SVO/KUB	$C_6H_{10}O_2$ (liq)		78LEB/YEV
Cyclohexanone			$\epsilon$ -Caprolactone		
<b>Phase Changes</b>			<b>Heat Capacity</b>	298.15 K,	$C_p=196.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
liq/g	428.8 K,	$\Delta H=45130 \text{ J}\cdot\text{mol}^{-1}$	Temperature range 13.8 to 350 K.		
Value corrected to 298.15 K.			<b>Entropy</b>	298.15 K,	$S=235.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b>	98.1444		<b>Phase Changes</b>		
<b>Wiswesser Line Notation</b>	L6VTJ		c/liq	271.83 K,	$\Delta H=13820 \text{ J}\cdot\text{mol}^{-1}$
<b>Evaluation</b>	A				$\Delta S=50.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b>	114.1438		<b>Molecular Weight</b>	114.1438	
<b>Wiswesser Line Notation</b>	T7OVTJ		<b>Wiswesser Line Notation</b>	T7OVTJ	
<b>Evaluation</b>	A		<b>Evaluation</b>	A	
$C_6H_{10}O$ (liq)		90MAY/RAC	$C_6H_{10}O_2$ (liq)		83LEB/YEV
Cyclohexanol; Cyclohexyl alcohol			$\epsilon$ -Caprolactone		
<b>Heat Capacity</b>	298.15 K,	$C_p=214.06 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p=196.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 170 to 320 K. $C_p$ (liq) = -2223.2606 + 22.0059595T - 0.0691686793T <sup>2</sup> + 0.0000763592T <sup>3</sup> $\text{J}\cdot\text{mol}^{-1}\text{K}^{-1}$ (298 to 320 K). $C_p$ value calculated from equation.			Temperature range 13.8 to 340 K.		
<b>Phase Changes</b>			<b>Entropy</b>	298.15 K,	$S=235.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c,III/c,II	220.9 K,	$\Delta H=378.4 \text{ J}\cdot\text{mol}^{-1}$	<b>Phase Changes</b>		
		$\Delta S=1.713 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	c/liq	272.13 K,	$\Delta H=13820 \text{ J}\cdot\text{mol}^{-1}$
c,III/c,I	244.5 K,	$\Delta H=8620 \text{ J}\cdot\text{mol}^{-1}$			$\Delta S=50.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
		$\Delta S=35.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Molecular Weight</b>	114.1438	
c,II/c,I	264.86 K,	$\Delta H=8662 \text{ J}\cdot\text{mol}^{-1}$	<b>Wiswesser Line Notation</b>	T7OVTJ	
		$\Delta S=32.70 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Evaluation</b>	A	
c,I/liq	297.92 K,	$\Delta H=1806 \text{ J}\cdot\text{mol}^{-1}$			
		$\Delta S=6.06 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	$(C_6H_{10}O_2)_n$ (c)		78LEB/YEV
<b>Molecular Weight</b>	98.1444		Poly- $\epsilon$ -caprolactone		
<b>Wiswesser Line Notation</b>	L6TJ AQ		<b>Heat Capacity</b>	298.15 K,	$C_p=161.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Evaluation</b>	A		Temperature range 13.8 to 350 K.		
			<b>Entropy</b>	298.15 K,	$S=181.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
			<b>Phase Changes</b>		
			c/liq	336 K,	$\Delta H=16400 \text{ J}\cdot\text{mol}^{-1}$
					$\Delta S=48.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
			<b>Molecular Weight</b>	114.1438	
			<b>Wiswesser Line Notation</b>	/*OV5*/	
			<b>Evaluation</b>	A	
			T(glass) = 209 K.		

$C_6H_{10}O_3$ (liq)		1881REI	$C_p = 241.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	$C_6H_{10}O_4$ (c)	84VAS/PET
Ethyl acetacetate; Acetoacetic ester				Adipic acid; 1,6-Hexanedioic acid	
<b>Heat Capacity</b>	298 K,			<b>Heat Capacity</b>	298.15 K,
Temperature range 288 to 455 K.				Temperature range 5 to 450 K.	$C_p = 196.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b>	130.1432			<b>Entropy</b>	298.15 K,
<b>Wiswesser Line Notation</b>	2OV1V1			<b>Phase Changes</b>	
<b>Evaluation</b>	D			c/liq	424.7 K
$C_6H_{10}O_3$ (liq)		33KOL/UDO	$C_p = 246.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Molecular Weight</b>	146.1426
Ethyl acetacetate; Acetoacetic ester				<b>Wiswesser Line Notation</b>	QV4VQ
<b>Heat Capacity</b>	297.5 K,			<b>Evaluation</b>	A
One temperature.					
<b>Molecular Weight</b>	130.1432				
<b>Wiswesser Line Notation</b>	2OV1V1				
<b>Evaluation</b>	C				
$C_6H_{10}O_3$ (liq)		34KOL/UDO2	$C_p = 250.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	$C_6H_{10}O_4S_2$ (c)	35HUF/ELL
Ethyl acetacetate; Acetoacetic ester				4,5-Dithia-1,8-octanedioic acid; $\beta,\beta'$ -Dithiodilactic acid	
<b>Heat Capacity</b>	297.5 K,			<b>Heat Capacity</b>	296.8 K,
One temperature.				$C_p = 239.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	Temperature range 85 to 305 K. Value is unsmoothed experimental datum.
<b>Molecular Weight</b>	130.1432			<b>Entropy</b>	298.1 K,
<b>Wiswesser Line Notation</b>	2OV1V1			$S = 274.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	Extrapolation below 90 K, 84.43 $\text{J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ .
<b>Evaluation</b>	C			<b>Molecular Weight</b>	210.2626
$C_6H_{10}O_4$ (liq)		92VER/BEC	$C_p = 261.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Wiswesser Line Notation</b>	QV2SS2VQ
Methylmalonic acid dimethyl ester				<b>Evaluation</b>	B( $C_p$ ),C(S)
<b>Heat Capacity</b>	298.15 K,				
One temperature.					
<b>Molecular Weight</b>	146.1426				
<b>Wiswesser Line Notation</b>	1OVY1&VO1				
<b>Evaluation</b>	B				
$C_6H_{10}O_4$ (liq)		83SAN/CIO	$C_p = 310 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	$C_6H_8O_7 \cdot H_2O$ (c)	82DEK/VAN
Ethylene glycol diacetate				Citric acid monohydrate	
<b>Heat Capacity</b>	298.15 K,			<b>Heat Capacity</b>	300 K,
Temperature range 273.15 to 323.15 K. $C_p^\circ (\text{kJ}\cdot\text{kg}^{-1}\cdot\text{K}^{-1}) = 0.044175T - 11.049$			$C_p = 269.52 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		
<b>Molecular Weight</b>	146.1426			<b>Entropy</b>	300 K,
<b>Wiswesser Line Notation</b>	1VO2OV1			$S = 285.32 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Evaluation</b>	D			<b>Phase Changes</b>	
$C_6H_{10}O_4$ (liq)		86NIL/WAD	$C_p = 269.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	c,II,c,I	312.1 K,
Ethylene glycol diacetate				$\Delta H = 14980 \text{ J}\cdot\text{mol}^{-1}$	
<b>Heat Capacity</b>	298.15 K,			$\Delta S = 48.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
One temperature.				<b>Molecular Weight</b>	210.1402
<b>Molecular Weight</b>	146.1426			<b>Wiswesser Line Notation</b>	QV1XQVQ1VQ & QH
<b>Wiswesser Line Notation</b>	1VO2OV1			<b>Evaluation</b>	B
<b>Evaluation</b>	A				
$C_6H_{10}O_4$ (liq)		1881REI	$C_p = 260.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	$C_6H_{11}Br$ (liq)	93SHE
Diethyl ethanedioate; Diethyl oxalate				Bromocyclohexane; Cyclohexyl bromide	
<b>Heat Capacity</b>	298 K,			<b>Heat Capacity</b>	298.15 K,
Temperature range 294 to 472 K.				$C_p = 182.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	One temperature.
<b>Molecular Weight</b>	146.1426			<b>Molecular Weight</b>	163.0569
<b>Wiswesser Line Notation</b>	2OVVO2			<b>Wiswesser Line Notation</b>	L6TJ AE
<b>Evaluation</b>	D			<b>Evaluation</b>	B
$C_6H_{10}O_4$ (liq)		74CIN/BER	$\Delta H = 34852 \text{ J}\cdot\text{mol}^{-1}$	$C_6H_{11}LiO_2$ (c)	85FRA/WES
Adipic acid; 1,6-Hexanedioic acid			$\Delta S = 81.92 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	Lithium n-hexanoate	
<b>Phase Changes</b>				<b>Heat Capacity</b>	298.15 K,
c/liq	425.5 K,			Temperature range 5 to 350 K.	$C_p = 217.01 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b>	146.1426			<b>Entropy</b>	298.15 K,
<b>Wiswesser Line Notation</b>	QV4VQ			$S = 229.81 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Molecular Weight</b>
<b>Evaluation</b>	B			122.0927	<b>Wiswesser Line Notation</b>
$C_6H_{10}O_4$ (c)				OV5 .LI	
Adipic acid; 1,6-Hexanedioic acid				<b>Evaluation</b>	A
<b>Phase Changes</b>				A gradual thermodynamic transformation starts at 120 and 260 K, respectively.	
c/liq	425.5 K,				
<b>Molecular Weight</b>	146.1426				
<b>Wiswesser Line Notation</b>	QV4VQ				
<b>Evaluation</b>	B				

$C_6H_{11}NO$ (c)	91KOZ/SHE	$C_6H_{11}NO$ (c)	62KOL/PAI
Cyclohexanone oxime		$\epsilon$ -Caprolactam; 6-Caprolactam	
<b>Heat Capacity</b> 298.15 K, $C_p = 199.34 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 300.00 K, $C_p = 156.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 6 to 430 K. $C_p(c, \text{J}/\text{mol}\cdot\text{K}) = -143.81 + 1.6984T - 1.8334 \times 10^{-3}T^2$ (300 to 340 K); $C_p(\text{liq}, \text{J}/\text{mol}\cdot\text{K}) = 214.30 + 0.1900T$ (380 to 430 K).		Temperature range 60 to 350 K.	
<b>Entropy</b> 298.15 K, $S = 185.12 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Entropy</b> 298.15 K, $S = 168.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Phase Changes</b>		<b>Phase Changes</b>	
c,III/c,II 240.8 K, $\Delta H = 14.0 \text{ J}\cdot\text{mol}^{-1}$		c/liq 342.305 K, $\Delta H = 16096 \text{ J}\cdot\text{mol}^{-1}$	
		$\Delta S = 0.06 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	$\Delta S = 47.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c,II/c,I 273.4 K, $\Delta H = 93.7 \text{ J}\cdot\text{mol}^{-1}$			
		$\Delta S = 0.34 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
c,I/liq 362.5 K, $\Delta H = 12700 \text{ J}\cdot\text{mol}^{-1}$			
<b>Molecular Weight</b> 113.1590			
<b>Wiswesser Line Notation</b> L6TJ ANO			
<b>Evaluation</b> A			
$C_6H_{11}NO$ (c)	91KOZ/SH	$C_6H_{11}NO$ (liq)	91KOZ/SH
Cyclohexanone oxime		$\epsilon$ -Caprolactam; 6-Caprolactam	
<b>Heat Capacity</b> 298.15 K, $C_p = 199.38 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b>	
Temperature range 6 to 450 K. $C_p(c, 300 \text{ to } 340 \text{ K}) = 143.81 + 1.6984(T/\text{K}) - 1.8334 \times 10^{-3}(T/\text{K})^2$ ; $C_p(\text{liq}, 380 \text{ to } 430 \text{ K}) = 214.30 + 0.1900(T/\text{K}) \text{ J/K}\cdot\text{mol}$ .		Temperature range 340 to 520 K. $C_p(\text{liq}) = 323.08 + 0.0342 - 1.1074 \times 10^{-2}T^{-2} \text{ J/mol}\cdot\text{K}$ (340 to 520 K).	
<b>Entropy</b> 298.15 K, $S = 185.08 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Molecular Weight</b> 113.1590	
<b>Phase Changes</b>		<b>Wiswesser Line Notation</b> T7MVTJ	
c,III/c,II 240.8 K, $\Delta H = 14.0 \text{ J}\cdot\text{mol}^{-1}$		<b>Evaluation</b> A	
c,II/c,I 273.4 K, $\Delta H = 93.7 \text{ J}\cdot\text{mol}^{-1}$			
		$\Delta S = 0.34 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
c,I/liq 362.5 K, $\Delta H = 12700 \text{ J}\cdot\text{mol}^{-1}$			
c,I/g 353.7 K, $\Delta H = 74010 \text{ J}\cdot\text{mol}^{-1}$			
liq/g 367.8 K, $\Delta H = 58660 \text{ J}\cdot\text{mol}^{-1}$			
<b>Molecular Weight</b> 113.1590			
<b>Wiswesser Line Notation</b> L6YTJ AUNQ			
<b>Evaluation</b> A			
$C_6H_{11}NO$ (c)	92KAB/KO	$C_6H_{11}NO$ (c)	92KAB/KO
$\epsilon$ -Caprolactam; 6-Caprolactam		$\epsilon$ -Caprolactam; 6-Caprolactam	
<b>Heat Capacity</b> 298.15 K, $C_p = 156.78 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K, $C_p = 156.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 5 to 550 K. $C_p(\text{liq}) = 323.08 + 0.0342(T/\text{K}) - 1.1074 \times 10^{-2}(T/\text{K})^2 \text{ J/K}\cdot\text{mol}$ (340 to 520 K).		Temperature range 5 to 550 K. $C_p(\text{liq}) = 323.08 + 0.0342(T/\text{K}) - 1.1074 \times 10^{-2}(T/\text{K})^2 \text{ J/K}\cdot\text{mol}$ (340 to 520 K).	
<b>Entropy</b> 298.15 K, $S = 173.21 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Entropy</b> 298.15 K, $S = 173.21 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Phase Changes</b>		<b>Phase Changes</b>	
c/liq 342.305 K, $\Delta H = 16134 \text{ J}\cdot\text{mol}^{-1}$		c/liq 498 K, $\Delta H = 21220 \text{ J}\cdot\text{mol}^{-1}$	
		$\Delta S = 42.61 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Molecular Weight</b> 113.1590		<b>Molecular Weight</b> 113.1567	
<b>Wiswesser Line Notation</b> T7MVTJ		<b>Wiswesser Line Notation</b> /*MV5*	
<b>Evaluation</b> A		<b>Evaluation</b> A	
$(C_6H_{11}NO)_n$ (c)	55MAR/SM	$(C_6H_{11}NO)_n$ (c)	55MAR/SM
Poly- $\epsilon$ -caprolactam		Poly- $\epsilon$ -caprolactam	
<b>Heat Capacity</b> 298.15 K, $C_p = 171.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K, $C_p = 171.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 270 to 498 K. $C_p(c) = 0.325 + 1.5 \times 10^{-3}T \text{ cal}\cdot\text{g}^{-1}\cdot\text{deg}^{-1}$ (-10 to 225 °C). $C_p$ value calculated from equation		Temperature range 270 to 498 K. $C_p(c) = 0.325 + 1.5 \times 10^{-3}T \text{ cal}\cdot\text{g}^{-1}\cdot\text{deg}^{-1}$ (-10 to 225 °C). $C_p$ value calculated from equation	
<b>Phase Changes</b>		<b>Phase Changes</b>	
c/liq 498 K, $\Delta H = 21220 \text{ J}\cdot\text{mol}^{-1}$		c/liq 498 K, $\Delta H = 21220 \text{ J}\cdot\text{mol}^{-1}$	
		$\Delta S = 42.61 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Molecular Weight</b> 113.1567			
<b>Wiswesser Line Notation</b> /*MV5*			
<b>Evaluation</b> A			
$(C_6H_{11}NO)_n$ (c)	62KOL/PAI	$(C_6H_{11}NO)_n$ (c)	62KOL/PAI
Poly- $\epsilon$ -caprolactam		Poly- $\epsilon$ -caprolactam	
<b>Heat Capacity</b> 298.15 K, $C_p = 169.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K, $C_p = 169.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 60 to 350 K.		Temperature range 60 to 350 K.	
<b>Entropy</b> 298.15 K, $S = 173.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Entropy</b> 298.15 K, $S = 173.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Molecular Weight</b> 113.1567			
<b>Wiswesser Line Notation</b> /*MV5*			
<b>Evaluation</b> B			
$C_6H_{11}NO$ (c)	59PAU/KOL	$(C_6H_{11}NO)_n$ (c)	91RO
$\epsilon$ -Caprolactam; 6-Caprolactam		Poly-L-leucine	
<b>Heat Capacity</b> 298.15 K, $C_p = 156.77 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 300 K, $C_p = 175.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 60 to 373 K.		Temperature range 220 to 390 K.	
<b>Entropy</b> 298.15 K, $S = 168.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Molecular Weight</b> 113.1590	
Debye-Einstein extrapolation below 60 K.		<b>Wiswesser Line Notation</b> /*VYM*&1Y1&1/-L	
<b>Molecular Weight</b> 113.1590		<b>Evaluation</b> B	
<b>Wiswesser Line Notation</b> T7MVTJ			
<b>Evaluation</b> B			

$(C_6H_{11}NO)_n$ (c)		93ROL/XEN	$C_6H_{11}O_2Tl$ (c)		84FER/LOP
Poly-L-leucine			Thallium hexanoate		
<b>Heat Capacity</b>	300 K,	$C_p=175.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	320 K,	$C_p=235 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 2220 to 390 K.			Temperature range 320 to 480 K.		
<b>Molecular Weight</b>	113.1590		<b>Phase Changes</b>		
<b>Wiswesser Line Notation</b>	/*VYM*&1Y1&1/-L		c,III/c,II	397.9 K,	$\Delta H=208 \text{ J}\cdot\text{mol}^{-1}$
<b>Evaluation</b>	B				$\Delta S=0.50 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
$C_6H_{11}NO_2$ (liq)		83GEI/KAR	c,II/c,I	415.0 K,	$\Delta H=657 \text{ J}\cdot\text{mol}^{-1}$
1,1-Dimethoxy-3-cyanopropane; Dimethyl acetal of					$\Delta S=1.58 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
$\beta$ -cyanopropionaldehyde			c,I/liq	425.0 K,	$\Delta H=4598 \text{ J}\cdot\text{mol}^{-1}$
<b>Heat Capacity</b>	298.15 K,	$C_p=253.63 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			$\Delta S=10.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 55 to 300 K.			Solid-mesophase.		
<b>Entropy</b>	298.15 K,	$S=295.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Molecular Weight</b>	319.5217	
<b>Phase Changes</b>			<b>Wiswesser Line Notation</b>	OV5 .TL	
c/liq	154 K		<b>Evaluation</b>	A	
Glassy (solid) to liquid transition.			Mesophase to isotropic liquid phase change data also given:		
<b>Molecular Weight</b>	129.1584		T=499.8 K; $\Delta H=3941 \text{ J}\cdot\text{mol}^{-1}$ ; $\Delta S=7.90 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ .		
<b>Wiswesser Line Notation</b>	NC2YO1&O1				
<b>Evaluation</b>	A				
$C_6H_{11}N_3O_4$ (c)		90BAD/KUL	$C_6H_{11}O_2Tl$ (c)		85BOE/LOP
Triglycine			Thallium hexanoate		
<b>Heat Capacity</b>	298 K,	$C_p=216 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p=234.96 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 298, 313, 333, 348 K.			Temperature range 5 to 500 K.		
<b>Molecular Weight</b>	189.1706		<b>Entropy</b>	298.15 K,	$S=324.76 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Wiswesser Line Notation</b>	Z1VM1VM1VQ		<b>Phase Changes</b>		
<b>Evaluation</b>	D		c,V/c,IV	203.5 K,	$\Delta H=1734 \text{ J}\cdot\text{mol}^{-1}$
$C_6H_{11}N_3O_4$ (c)		89KUL/KOZ			$\Delta S=8.62 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Diglycylglycine			c,IV/c,III	280.3 K,	$\Delta H=2511 \text{ J}\cdot\text{mol}^{-1}$
<b>Heat Capacity</b>	298 K,	$C_p=215.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			$\Delta S=8.88 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 298 to 348 K.			c,III/c,II	397.9 K	Solid-mesomorphic liquid.
<b>Molecular Weight</b>	189.1706		c,II/c,I	415.0 K	
<b>Wiswesser Line Notation</b>	Z1VNV1Z1VQ		c,I/liq	425.0 K	
<b>Evaluation</b>	C				
$C_6H_{11}O_2Tl$ (c)		76MEI/SEY	<b>Molecular Weight</b>	319.5217	
Thallium hexanoate			<b>Wiswesser Line Notation</b>	OV5 .TL	
<b>Phase Changes</b>			<b>Evaluation</b>	A	
c,III/c,II	395 K,	$\Delta H=179 \text{ J}\cdot\text{mol}^{-1}$	Mesomorphic liquid-isotropic liquid transition at 499.8 K. See		
		$\Delta S=0.46 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	84FER/LOP, 81LIN/DIE, and 76MEI/SEY for transition data.		
c,II/c,I	412 K,	$\Delta H=1841 \text{ J}\cdot\text{mol}^{-1}$			
		$\Delta S=1.84 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
c,I/liq	418 K,	$\Delta H=4477 \text{ J}\cdot\text{mol}^{-1}$			
		$\Delta S=10.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
Solid-mesophase.			<b>Molecular Weight</b>	84.1608	
liq/liq	500 K,	$\Delta H=3035 \text{ J}\cdot\text{mol}^{-1}$	<b>Wiswesser Line Notation</b>	1X1&1&1U1	
		$\Delta S=6.69 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Evaluation</b>	$B(C_p), C(S)$	
Mesophase-isotropic.					
<b>Molecular Weight</b>	319.5217				
<b>Wiswesser Line Notation</b>	OV5 .TL				
<b>Evaluation</b>	B				
$C_6H_{12}$ (liq)			$C_6H_{12}$ (liq)		38KEN/SHO
2,3-Dimethyl-1-butene; tert-Butylethylene			2,3-Dimethyl-1-butene; tert-Butylethylene		
<b>Heat Capacity</b>	295.9 K,	$C_p=188.28 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	295.9 K,	$C_p=188.28 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 80 to 298 K. Value is unsmoothed experimental datum.			Temperature range 80 to 298 K. Value is unsmoothed experimental datum.		
<b>Entropy</b>	298.1 K,	$S=156.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Entropy</b>	298.1 K,	$S=156.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Extrapolation below 80 K, 47.66 $\text{J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ .			Extrapolation below 80 K, 47.66 $\text{J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ .		
<b>Phase Changes</b>			<b>Phase Changes</b>		
c,II/c,I	124.9 K,	$\Delta H=4347 \text{ J}\cdot\text{mol}^{-1}$	c,II/c,I	124.9 K,	$\Delta H=4347 \text{ J}\cdot\text{mol}^{-1}$
		$\Delta S=34.80 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			$\Delta S=34.80 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c,II/liq	158.4 K,	$\Delta H=1096 \text{ J}\cdot\text{mol}^{-1}$	c,II/liq	158.4 K,	$\Delta H=1096 \text{ J}\cdot\text{mol}^{-1}$
		$\Delta S=6.92 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			$\Delta S=6.92 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b>	84.1608				
<b>Wiswesser Line Notation</b>	1X1&1&1U1				
<b>Evaluation</b>	$B(C_p), C(S)$				
$C_6H_{12}$ (liq)			$C_6H_{12}$ (liq)		36PAR/TOD2
2,3-Dimethyl-2-butene; Tetramethylethylene			2,3-Dimethyl-2-butene; Tetramethylethylene		
<b>Heat Capacity</b>	295.5 K,	$C_p=175.73 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	295.5 K,	$C_p=175.73 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 83 to 296 K. Value is unsmoothed experimental datum.			Temperature range 83 to 296 K. Value is unsmoothed experimental datum.		
<b>Entropy</b>	298.15 K,	$S=272.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Entropy</b>	298.15 K,	$S=272.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Extrapolation below 90 K, 58.45 $\text{J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ .			Extrapolation below 90 K, 58.45 $\text{J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ .		
<b>Phase Changes</b>			<b>Phase Changes</b>		
c,II/c,I	196.6 K,	$\Delta H=4577 \text{ J}\cdot\text{mol}^{-1}$	c,II/c,I	196.6 K,	$\Delta H=4577 \text{ J}\cdot\text{mol}^{-1}$
		$\Delta S=23.28 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			$\Delta S=23.28 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c,I/liq	198.5 K,	$\Delta H=5460 \text{ J}\cdot\text{mol}^{-1}$	c,I/liq	198.5 K,	$\Delta H=5460 \text{ J}\cdot\text{mol}^{-1}$
		$\Delta S=27.51 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			$\Delta S=27.51 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b>	84.1608				
<b>Wiswesser Line Notation</b>	1Y1&UY1&I				
<b>Evaluation</b>	$B(C_p), C(S)$				

$C_6H_{12}$ (liq)		55SCO/FIN	$C_6H_{12}$ (liq)		46DOU/HUF <sub>2</sub>
2,3-Dimethyl-2-butene; Tetramethylethylene			Methylcyclopentane		
<b>Heat Capacity</b>	298.15 K, Temperature range 10 to 320 K.	$C_p = 174.68 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K, Temperature range 12 to 300 K.	$C_p = 158.70 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Entropy</b>	298.15 K,	$S = 270.20 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Entropy</b>	298.15 K,	$S = 247.78 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Phase Changes</b>			<b>Phase Changes</b>		
c,II/c,I	196.82 K,	$\Delta H = 3531 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 17.94 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	c/liq	130.73 K,	$\Delta H = 6928.7 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 53.00 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c,II/liq	198.92 K,	$\Delta H = 6452 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 32.44 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
		Enthalpies of transition and fusion calculated from total enthalpy change 196.82 to 198.92 K and assumed $C_p$ of 150 $\text{J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ for c,I.			
<b>Molecular Weight</b>	84.1608		<b>Molecular Weight</b>	84.1608	
<b>Wiswesser Line Notation</b>	1Y1&UY1&1		<b>Wiswesser Line Notation</b>	L5TJ A1	
<b>Evaluation</b>	A		<b>Evaluation</b>	A	
$C_6H_{12}$ (liq)		90MES/TOD	$C_6H_{12}$ (liq)		51CON/SAC
cis-2-Hexene			Methylcyclopentane		
<b>Heat Capacity</b>	298.15 K, Temperature range 10 to 330 K.	$C_p = 178.36 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	299.8 K, Temperature range 80 to 200 °F.	$C_p = 159.12 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Entropy</b>	298.15 K,	$S = 291.86 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b>	84.1608	
<b>Phase Changes</b>			<b>Wiswesser Line Notation</b>	L5TJ A1	
c/liq	132.030 K,	$\Delta H = 8878.23 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 67.24 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Evaluation</b>	B	
<b>Molecular Weight</b>	84.1608		$C_6H_{12}$ (liq)		83SID/SVE
<b>Wiswesser Line Notation</b>	4U2-C		Methylcyclopentane		
<b>Evaluation</b>	A		<b>Heat Capacity</b>	293.15 K, One temperature.	$C_p = 157.66 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
$C_6H_{12}$ (liq)		57MCC/FIN2	<b>Molecular Weight</b>	84.1608	
1-Hexene			<b>Wiswesser Line Notation</b>	L5TJ A1	
<b>Heat Capacity</b>	298.15 K, Temperature range 11 to 360 K.	$C_p = 183.30 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Evaluation</b>	B	
<b>Entropy</b>	298.15 K,	$S = 295.18 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	$C_6H_{12}$ (liq)		19DEJ
<b>Phase Changes</b>			Cyclohexane		
c/liq	133.39 K,	$\Delta H = 9347 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 70.07 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298 K, Temperature range 22 to 50 °C.	$C_p = 176.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	84.1608		<b>Molecular Weight</b>	84.1608	
<b>Wiswesser Line Notation</b>	5U1		<b>Wiswesser Line Notation</b>	L6TJ	
<b>Evaluation</b>	A		<b>Evaluation</b>	B	
$C_6H_{12}$ (liq)		85KAL/WOY	$C_6H_{12}$ (liq)		30PAR/HUF
1-Hexene			Cyclohexane		
<b>Heat Capacity</b>	298.56 K, Temperature range 180 to 300 K. Value is unsmoothed experimental datum.	$C_p = 182.77 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.9 K, Temperature range 92 to 299 K. Value is unsmoothed experimental datum.	$C_p = 143.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	84.1608		<b>Entropy</b>	298.15 K, Extrapolation below 90 K, 50.54 $\text{J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .	$S = 205.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b>	5U1		<b>Phase Changes</b>		
<b>Evaluation</b>	B		c,II/c,I	185.9 K,	$\Delta H = 6234 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 33.53 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
$C_6H_{12}$ (liq)		31HUF/PAR	c,I/liq	279.3 K,	$\Delta H = 2423 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 8.68 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Methylcyclopentane					
<b>Heat Capacity</b>	295.7 K, Temperature range 92 to 294 K. Value is unsmoothed experimental datum.	$C_p = 157.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b>	84.1608	
<b>Entropy</b>	298.1 K,	$S = 247.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Wiswesser Line Notation</b>	L6TJ	
<b>Phase Changes</b>		Extrapolation below 90 K, 57.86 $\text{J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .	<b>Evaluation</b>	B( $C_p$ ),C(S)	
c/liq	130.1 K,	$\Delta H = 6883 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 52.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	$C_6H_{12}$ (liq)		39PH
<b>Molecular Weight</b>	84.1608		Cyclohexane		
<b>Wiswesser Line Notation</b>	L5TJ A1		<b>Heat Capacity</b>	304.2 K,	$C_p = 100.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Evaluation</b>	B( $C_p$ ),C(S)		<b>Molecular Weight</b>	84.1608	
			<b>Wiswesser Line Notation</b>	L6TJ	
			<b>Evaluation</b>	C	

$C_6H_{12}$ (liq)		42ZIE/AND	$C_6H_{12}$ (liq)		64MOE/THO
Cyclohexane			Cyclohexane		
<b>Phase Changes</b>			<b>Heat Capacity</b>	298.00 K,	$C_p = 155.31 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c,II/c,I	186.4 K,	$\Delta H = 6820 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 36.59 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		Temperature range 297 to 327 K.	
c,I/liq	279.4 K,	$\Delta H = 2728 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 9.76 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Molecular Weight</b> 84.1608	
<b>Molecular Weight</b> 84.1608			<b>Wiswesser Line Notation</b> L6TJ		
<b>Wiswesser Line Notation</b> L6TJ			<b>Evaluation</b>	B	
<b>Evaluation</b>	B				
$C_6H_{12}$ (liq)		43AST/SZA	$C_6H_{12}$ (liq)		66NIK/RAB
Cyclohexane			Cyclohexane		
<b>Heat Capacity</b>	295 K, Temperature range 12 to 293 K.	$C_p = 155.85 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298 K, Temperature range 10 to 50 °C.	$C_p = 152.93 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Entropy</b>	298.15 K,	$S = 203.89 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b> 84.1608		
<b>Phase Changes</b>			<b>Wiswesser Line Notation</b> L6TJ		
c,II/c,I	186.09 K,	$\Delta H = 6686 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 35.93 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Evaluation</b>	B	
c,I/liq	279.84 K,	$\Delta H = 2628 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 9.39 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
liq/g	298.15 K,	$\Delta H = 33334 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 111.80 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ $P = 13.18 \text{ kPa}$			
<b>Molecular Weight</b> 84.1608					
<b>Wiswesser Line Notation</b> L6TJ					
<b>Evaluation</b>	A				
$C_6H_{12}$ (liq)		43RUE/HUF	$C_6H_{12}$ (liq)		69WIL/SCH
Cyclohexane			Cyclohexane		
<b>Heat Capacity</b>	298.15 K, Temperature range 13 to 302 K.	$C_p = 156.31 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K, Temperature 20, 30, and 40 °C.	$C_p = 155.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Entropy</b>	298.15 K,	$S = 204.35 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b> 84.1608		
<b>Phase Changes</b>			<b>Wiswesser Line Notation</b> L6TJ		
c,II/c,I	186.1 K,	$\Delta H = 6739.6 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 36.21 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Evaluation</b>	B	
c,I/liq	279.82 K,	$\Delta H = 2676.9 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 9.57 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
<b>Molecular Weight</b> 84.1608					
<b>Wiswesser Line Notation</b> L6TJ					
<b>Evaluation</b>	A				
$C_6H_{12}$ (liq)		50AUE/SAG	$C_6H_{12}$ (liq)		73SUB/RAS
Cyclohexane			Cyclohexane		
<b>Heat Capacity</b>	300 K, Temperature range 300 to 366 K. $C_p$ given as 0.4378 Btu(lb) <sup>-1</sup> (°R) <sup>-1</sup> at 80 °F.	$C_p = 154.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K, Temperature range 298 to 323 K.	$C_p = 159.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b> 84.1608			<b>Molecular Weight</b> 84.1608		
<b>Wiswesser Line Notation</b> L6TJ			<b>Wiswesser Line Notation</b> L6TJ		
<b>Evaluation</b>	B		<b>Evaluation</b>	B	
$C_6H_{12}$ (liq)		60SWI/ZIE	$C_6H_{12}$ (liq)		74WIL/ZET
Cyclohexane			Cyclohexane		
<b>Heat Capacity</b>	311 K. Mean value 20 to 56 °C.	$C_p = 155.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	293.15 K, Temperature range 273 to 323 K.	$C_p = 154.80 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b> 84.1608			<b>Molecular Weight</b> 84.1608		
<b>Wiswesser Line Notation</b> L6TJ			<b>Wiswesser Line Notation</b> L6TJ		
<b>Evaluation</b>	C		<b>Evaluation</b>	B	
$C_6H_{12}$ (liq)		75JOL/BOI	$C_6H_{12}$ (liq)		76FOR/BEN
Cyclohexane			Cyclohexane		
<b>Heat Capacity</b>	298.15 K, One temperature.	$C_p = 156.20 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K, One temperature.	$C_p = 156.07 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b> 84.1608			<b>Molecular Weight</b> 84.1608		
<b>Wiswesser Line Notation</b> L6TJ			<b>Wiswesser Line Notation</b> L6TJ		
<b>Evaluation</b>	B		<b>Evaluation</b>	B	

$C_6H_{12}$ (liq)		76FOR/BEN2	$C_6H_{12}$ (liq)		82TAl
Cyclohexane			Cyclohexane		
<b>Heat Capacity</b>	298.15 K,	$C_p = 156.070 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p = 156.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	84.1608		Temperature range 293.15, 298.15, 303.15 K. Data at three temperatures.		
<b>Wiswesser Line Notation</b>	L6TJ				
<b>Evaluation</b>	A		<b>Molecular Weight</b>	84.1608	
	Data from 76FOR/BEN.		<b>Wiswesser Line Notation</b>	L6TJ	
			<b>Evaluation</b>	A	
$C_6H_{12}$ (liq)		77VES/SVO	$C_6H_{12}$ (liq)		83SID/SV
Cyclohexane			Cyclohexane		
<b>Heat Capacity</b>	298.15 K,	$C_p = 156.12 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	293.15 K,	$C_p = 154.81 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 298 to 318 K.			One temperature.		
<b>Molecular Weight</b>	84.1608		<b>Molecular Weight</b>	84.1608	
<b>Wiswesser Line Notation</b>	L6TJ		<b>Wiswesser Line Notation</b>	L6TJ	
<b>Evaluation</b>	B		<b>Evaluation</b>	B	
$C_6H_{12}$ (liq)		78GRO/WIL	$C_6H_{12}$ (liq)		85NKI/CH.
Cyclohexane			Cyclohexane		
<b>Heat Capacity</b>	298.15 K,	$C_p = 156.35 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p = 156.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
One temperature.			One temperature.		
<b>Molecular Weight</b>	84.1608		<b>Molecular Weight</b>	84.1608	
<b>Wiswesser Line Notation</b>	L6TJ		<b>Wiswesser Line Notation</b>	L6TJ	
<b>Evaluation</b>	B		<b>Evaluation</b>	B	
$C_6H_{12}$ (liq)		78SAF	$C_6H_{12}$ (liq)		85TAN/NAl
Cyclohexane			Cyclohexane		
<b>Heat Capacity</b>	298 K,	$C_p = 156.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p = 155.96 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 298 to 313 K. Data calculated from equation			One temperature.		
$C_p = 1.7493 + 0.00452 T \text{ kJ} \cdot \text{kg}^{-1} \cdot \text{K}^{-1}$ .			<b>Molecular Weight</b>	84.1608	
<b>Molecular Weight</b>	84.1608		<b>Wiswesser Line Notation</b>	L6TJ	
<b>Wiswesser Line Notation</b>	L6TJ		<b>Evaluation</b>	B	
<b>Evaluation</b>	B				
$C_6H_{12}$ (liq)		79FOR/DAR	$C_6H_{12}$ (liq)		86JIM/ROM
Cyclohexane			Cyclohexane		
<b>Heat Capacity</b>	298.15 K,	$C_p = 156.149 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p = 157.06 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
One temperature.			One temperature.		
<b>Molecular Weight</b>	84.1608		<b>Molecular Weight</b>	84.1608	
<b>Wiswesser Line Notation</b>	L6TJ		<b>Wiswesser Line Notation</b>	L6TJ	
<b>Evaluation</b>	B		<b>Evaluation</b>	B	
$C_6H_{12}$ (liq)		79VES/ZAB	$C_6H_{12}$ (liq)		86OR
Cyclohexane			Cyclohexane		
<b>Heat Capacity</b>	298.15 K,	$C_p = 156.12 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p = 155.85 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
One temperature.			One temperature.		
<b>Molecular Weight</b>	84.1608		<b>Molecular Weight</b>	84.1608	
<b>Wiswesser Line Notation</b>	L6TJ		<b>Wiswesser Line Notation</b>	L6TJ	
<b>Evaluation</b>	B		<b>Evaluation</b>	B	
$C_6H_{12}$ (liq)		79WIL/GRO	$C_6H_{12}$ (liq)		87KAL/KO
Cyclohexane			Cyclohexane		
<b>Heat Capacity</b>	298.15 K,	$C_p = 156.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	293.15 K,	$C_p = 155.13 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
One temperature.			Temperature range 293.15, 313.15 K.		
<b>Molecular Weight</b>	84.1608		<b>Molecular Weight</b>	84.1608	
<b>Wiswesser Line Notation</b>	L6TJ		<b>Wiswesser Line Notation</b>	L6TJ	
<b>Evaluation</b>	B		<b>Evaluation</b>	B	
$C_6H_{12}$ (liq)		82GRO/ING	$C_6H_{12}$ (liq)		
Cyclohexane			Cyclohexane		
<b>Heat Capacity</b>	298.15 K,	$C_p = 156.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	293.15 K,	$C_p = 155.13 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
One temperature.			One temperature.		
<b>Molecular Weight</b>	84.1608		<b>Molecular Weight</b>	84.1608	
<b>Wiswesser Line Notation</b>	L6TJ		<b>Wiswesser Line Notation</b>	L6TJ	
<b>Evaluation</b>	A		<b>Evaluation</b>	B	

$C_6H_{12}$ (liq)		88SAI/TAN	$C_6H_{12}BNO_3$ (c)		64CAS/STO
Cyclohexane			Triethanolamine borate		
<b>Heat Capacity</b>	298.15 K,	$C_p=155.96 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p=187.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
One temperature.			Temperature range 5 to 350 K.		
<b>Molecular Weight</b>	84.1608		<b>Entropy</b>	298.15 K,	$S=183.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Wiswesser Line Notation L6TJ			<b>Molecular Weight</b>	156.9757	
Evaluation	B		Wiswesser Line Notation	T88 A B C AO DN GO HB IOTJ	
			Evaluation	A	
$C_6H_{12}$ (liq)		88SHI/OGA2	$C_6H_{12}BNO_3$ (c)		64CLE/WON
Cyclohexane			Triethanolamine borate		
<b>Heat Capacity</b>	298.15 K,	$C_p=154.32 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	320 K,	$C_p=226.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
One temperature.			Temperature range 320 to 525 K.		
<b>Molecular Weight</b>	84.1608		<b>Entropy</b>	320 K,	$S=216.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Wiswesser Line Notation L6TJ			<b>Phase Changes</b>		
Evaluation	A		c,II/c,I	466.54 K,	$\Delta H=4774 \text{ J}\cdot\text{mol}^{-1}$
					$\Delta S=10.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
$C_6H_{12}$ (liq)		89LAI/ROD	c,I/liq	511.86 K,	$\Delta H=24100 \text{ J}\cdot\text{mol}^{-1}$
Cyclohexane					$\Delta S=47.11 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Heat Capacity</b>	298.15 K,	$C_p=156.90 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Molecular Weight</b>	156.9757	
One temperature.			Wiswesser Line Notation	T88 A B C AO DN GO HB IOTJ	
<b>Molecular Weight</b>	84.1608		Evaluation	A	
Wiswesser Line Notation L6TJ					
Evaluation	B				
$C_6H_{12}$ (liq)		89VOS/SLO	$C_6H_{12}BrFeN_2S_4$ (c)		89YOS/SOR
Cyclohexane			Bis(N,N-dimethylthiocarbamato) iron(III) bromide		
<b>Heat Capacity</b>	326.5 K,	$C_p=143.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	296.421 K,	$C_p=294.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 326.5 to 450.0 K. Unsmoothed experimental datum.			Temperature range 0.4 to 300 K. $C_p$ value is unsmoothed experimental datum.		
<b>Molecular Weight</b>	84.1608		<b>Phase Changes</b>		
Wiswesser Line Notation L6TJ			c,III/c,II	0.837 K	Ferrromagnetic/paramagnetic transition.
Evaluation	C		c,II/c,I	8.8 K,	$\Delta H=5.77 \text{ J}\cdot\text{mol}^{-1}$
					$\Delta S=6.05 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
					Schottky anomaly.
$(C_6H_{12})_n$ (c)		91TRE/COS	<b>Molecular Weight</b>	376.1898	
Poly(4-methyl-1-pentene)			Wiswesser Line Notation	SUYS&N1&1 2 .FE &E	
<b>Heat Capacity</b>	298.15 K,	$C_p=156.00 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	Evaluation	A	
One temperature.					The total magnetic entropy and enthalpy in the temperature range 0.4 to 30 K are $S=11.74 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ and $92.0 \text{ J}\cdot\text{mol}^{-1}$ , respectively.
<b>Molecular Weight</b>	84.1608				
Wiswesser Line Notation L6TJ					
Evaluation	B				
$(C_6H_{12})_n$ (gls)		67MEL/TYS	$C_6H_{12}ClFeN_2S_4$ (c)		84YOS/SOR
1-Polyhexene			Chlorobis(N,N-dimethylthiocarbamate)iron(III)		
<b>Heat Capacity</b>	298.15 K,	$C_p=145.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	300 K,	$C_p=299 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 80 to 310 K. Values per unit formula weight.			Temperature range 0.4 to 300 K. Data graphically only. Value estimated from graph.		
<b>Entropy</b>	298.15 K,	$S=151.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Phase Changes</b>		
Extrapolation below 80 K, $38.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ . Values do not include zero-point entropy.			c,III/c,II	0.609 K	Lambda transition.
<b>Molecular Weight</b>	84.1608		c,II/c,I	2 K	Schottky-type anomaly.
Wiswesser Line Notation /*Y1*1Y1&1/			<b>Molecular Weight</b>	331.7142	
Evaluation	B( $C_p$ ),C(S)		Wiswesser Line Notation	SUYS&N1&1 2 .FE &G	
65% crystalline, isotactic material.			Evaluation	A	Total magnetic entropy is $14.05 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ .
$(C_6H_{12})_n$ (gls)		74LEB/LEB			
1-Polyhexene					
<b>Entropy</b>	298.15 K,	$S=171.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
Deposited in VINITI, No 2118-74, 30 July 1974.					
<b>Molecular Weight</b>	84.1608				
Wiswesser Line Notation /*Y4&1*/					
Evaluation	A				
T(glass)=215.5 K.					
$C_6H_{12}Cl_2$ (liq)		85LAI/GRO			
1,6-Dichlorohexane					
<b>Heat Capacity</b>	298.15 K,	$C_p=239.57 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
One temperature.					
<b>Molecular Weight</b>	155.0668				
Wiswesser Line Notation	G6G				
Evaluation	B				

$C_6H_{12}Cl_3O_4P$ (liq)		86FAM/MAS		
Tri-(2-chloroethyl) phosphate				
<b>Heat Capacity</b>	298.15 K,	$C_p = 396.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		91ABA/DE
Temperature range 15 to 320 K. $C_p$ data given for the glassy state from 0 to 170 K.				
<b>Entropy</b>	298.15 K,	$S = 495 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
<b>Phase Changes</b>				
gls/liq	185 K,	$\Delta S = 38.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
<b>Molecular Weight</b>	285.4912			
Wiswesser Line Notation	OPO2G&O2G&O2G			
Evaluation	A			
$C_6H_{12}FeIN_2S_4$ (c)		83YOS/SOR2		
Iodobis(N,N-dimethyldithiocarbamato) iron (III)				
<b>Heat Capacity</b>	298.352 K,	$C_p = 301.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
Temperature range 0.4 to 300 K. Unsmoothed experimental datum.				
<b>Molecular Weight</b>	423.1657			
Wiswesser Line Notation	SYUS&N1&1 2 .FE &I			
Evaluation	A			
Lambda type anomaly observed at 1.65 K; Schottky type anomaly observed at ca. 0.7 K.				
$C_6H_{12}N_2$ (c)		60CHA/WES2		
Triethylenediamine; 1,4-Diazabicyclo[2.2.2]octane				
<b>Heat Capacity</b>	298.15 K,	$C_p = 152.97 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
Temperature range 5 to 353 K.				
<b>Entropy</b>	298.15 K,	$S = 157.61 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
<b>Molecular Weight</b>	112.1742			
Wiswesser Line Notation	T66 A B CN FNTJ			
Evaluation	A			
$C_6H_{12}N_2$ (c)		61WES		
Triethylenediamine; 1,4-Diazabicyclo[2.2.2]octane				
<b>Heat Capacity</b>	298.15 K,	$C_p = 153.18 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
Temperature range 5 to 350 K. Only value at 298.15 K given.				
<b>Entropy</b>	298.15 K,	$S = 157.61 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
<b>Molecular Weight</b>	112.1742			
Wiswesser Line Notation	T66 A B CN FNTJ			
Evaluation	A			
Details reported in other papers.				
$C_6H_{12}N_2$ (c,II)		63TRO/WES		
Triethylenediamine; 1,4-Diazabicyclo[2.2.2]octane				
<b>Heat Capacity</b>	300 K,	$C_p = 153.97 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
Temperature range 300 to 450 K.				
<b>Phase Changes</b>				
c,II/c,I	351.08 K,	$\Delta H = 10560 \text{ J} \cdot \text{mol}^{-1}$		
		$\Delta S = 30.08 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
Transformation to plastic crystalline phase.				
c,I/liq	432.99 K,	$\Delta H = 7431 \text{ J} \cdot \text{mol}^{-1}$		
		$\Delta S = 17.16 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
<b>Molecular Weight</b>	112.1742			
Wiswesser Line Notation	T66 A B CN FNTJ			
Evaluation	A			
$C_6H_{12}N_2O_2$ (c)		91ABA/DEL		
2-(Acetylamino)-N-methylpropanamide(DL);				
N-Acetylalanine-N'-methylamide(DL)				
<b>Heat Capacity</b>	298 K,	$C_p = 196.47 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
Data extrapolated to 298 K from values obtained at higher temperatures.				
<b>Molecular Weight</b>	144.1730			
Wiswesser Line Notation	1VMYVM1&1 -DL			
Evaluation	C			
$C_6H_{12}N_2O_2$ (c)		91KUL/KC		
$\beta$ -Alanyl- $\beta$ -alanine				
<b>Heat Capacity</b>	298 K,	$C_p = 196.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
Temperature range 298 to 348 K.				
<b>Molecular Weight</b>	160.1724			
Wiswesser Line Notation	Z2VM2VQ			
Evaluation	C			
$C_6H_{12}N_2O_3$ (c)		89KUL/KU		
$\beta$ -Alanyl- $\beta$ -alanine				
<b>Heat Capacity</b>	298 K,	$C_p = 196 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
Temperature range 298, 313, 333, 348 K.				
<b>Phase Changes</b>				
c/liq	480.05 K,	$\Delta H = 58300 \text{ J} \cdot \text{mol}^{-1}$		
Melting with decomposition.				
<b>Molecular Weight</b>	160.1724			
Wiswesser Line Notation	Z2VM2VQ			
Evaluation	D			
$C_6H_{12}N_2O_3$ (c)		89KUL/KC		
$\alpha, \alpha$ -Alanylalanine(DL)				
<b>Heat Capacity</b>	298 K,	$C_p = 189.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
Temperature range 298 to 348 K.				
<b>Molecular Weight</b>	160.1724			
Wiswesser Line Notation	ZY1&VMY1&VQ -DL			
Evaluation	C			
$C_6H_{12}N_2O_3$ (c)		90BAD/KU		
$\alpha, \alpha$ -Alanylalanine(DL)				
<b>Heat Capacity</b>	298 K,	$C_p = 189 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
Temperature range 298, 313, 333, 348 K.				
<b>Phase Changes</b>				
c/liq	483.15 K,	$\Delta H = 33200 \text{ J} \cdot \text{mol}^{-1}$		
Melting with decomposition.				
Temperature range 433 to 483.				
<b>Molecular Weight</b>	160.1724			
Wiswesser Line Notation	ZY1&VMY1&VQ -DL			
Evaluation	C			
$C_6H_{12}N_2O_3$ (c)		89KUL/KC		
$\alpha, \alpha$ -Alanylalanine(L)				
<b>Heat Capacity</b>	298 K,	$C_p = 194.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
Temperature range 298 to 348 K.				
<b>Molecular Weight</b>	160.1724			
Wiswesser Line Notation	ZY1&VMY1&VQ -L			
Evaluation	C			
$C_6H_{12}N_2O_3$ (c)		90BAD/K		
$\alpha, \alpha$ -Alanylalanine(L)				
<b>Heat Capacity</b>	298 K,	$C_p = 195 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
Temperature range 298, 313, 333, 348 K.				
<b>Molecular Weight</b>	160.1724			
Wiswesser Line Notation	ZY1&VMY1&VQ -L			
Evaluation	C			

<b>C<sub>6</sub>H<sub>12</sub>N<sub>2</sub>O<sub>4</sub>S<sub>2</sub></b> (c)	35HUF/ELL	<b>C<sub>6</sub>H<sub>12</sub>O</b> (liq)	70AND/COU
Cystine(L)		3,3-Dimethyl-2-butanone; Methyl tert-butyl ketone	
<b>Heat Capacity</b> 297.3 K, $C_p = 268.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Temperature range 85 to 298 K. Value is unsmoothed experimental datum.	<b>Heat Capacity</b> 298.15 K, $C_p = 206.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Entropy 298.1 K, $S = 286.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Extrapolation below 90 K, $79.45 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .	Temperature range 10 to 360 K.	
Molecular Weight 240.2918		<b>Entropy</b> 298.15 K, $S = 282.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Wiswesser Line Notation QVYZ1SS1YZVQ -L		<b>Phase Changes</b>	
Evaluation $B(C_p), C(S)$		c/liq 221.74 K, $\Delta H = 11330 \text{ J} \cdot \text{mol}^{-1}$	
		$\Delta S = 51.10 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>C<sub>6</sub>H<sub>12</sub>N<sub>2</sub>O<sub>4</sub>S<sub>2</sub></b> (c)	64HUT/COL	<b>Molecular Weight</b> 100.1602	
Cystine(L)		Wiswesser Line Notation 1X1&1&V1	
<b>Heat Capacity</b> 298.15 K, $C_p = 261.92 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Temperature range 10 to 310 K.	Evaluation A	
Entropy 298.15 K, $S = 280.58 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
Molecular Weight 240.2918		<b>C<sub>6</sub>H<sub>12</sub>O</b> (liq)	70HAR/HEA
Wiswesser Line Notation QVYZ1SS1YZVQ -L		3,3-Dimethyl-2-butanone; Methyl tert-butyl ketone	
Evaluation A		<b>Heat Capacity</b> 298.15 K, $C_p = 207.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
		One temperature.	
<b>C<sub>6</sub>H<sub>12</sub>N<sub>2</sub>S<sub>3</sub></b> (c)	61GOO/LAC	<b>Molecular Weight</b> 100.1602	
Bis-(dimethylthiocarbamoyl)sulfide; Tetramethylthiuram monosulfide		Wiswesser Line Notation 1X1&1&V1	
<b>Heat Capacity</b> 298.15 K, $C_p = 261.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	One temperature.	Evaluation B	
Molecular Weight 208.3542		<b>C<sub>6</sub>H<sub>12</sub>O</b> (liq)	92SVO/KUB
Wiswesser Line Notation		3,3-Dimethyl-2-butanone; Methyl tert-butyl ketone	
Evaluation B		<b>Phase Changes</b>	
		liq/g 441.4 K, $\Delta H = 50780 \text{ J} \cdot \text{mol}^{-1}$	
		Value corrected to 298.15 K.	
<b>C<sub>6</sub>H<sub>12</sub>N<sub>2</sub>S<sub>4</sub></b> (c)	61GOO/LAC	<b>Molecular Weight</b> 100.1602	
Bis-(dimethylthiocarbamoyl)disulfide; Tetramethylthiuram disulfide		Wiswesser Line Notation 1X1&1&V1	
<b>Heat Capacity</b> 298.15 K, $C_p = 301.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	One temperature.	Evaluation A	
Molecular Weight 240.4142		<b>C<sub>6</sub>H<sub>12</sub>O</b> (liq)	47SCH/ZOS
Wiswesser Line Notation		5-Methyl-3-oxahex-1-ene; Vinyl isobutyl ether	
Evaluation B		<b>Heat Capacity</b> 298.15 K, $C_p = 231.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
		One value, no details.	
<b>C<sub>6</sub>H<sub>12</sub>N<sub>4</sub></b> (c)	60CHA/WES	<b>Molecular Weight</b> 100.1602	
Hexamethylenetetramine; 1,3,5,7-Tetraazatricyclo[3.3.1.1 <sup>3,7</sup> ]decane		Wiswesser Line Notation 1Y1&1O1U1	
<b>Heat Capacity</b> 298.15 K, $C_p = 152.29 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Temperature range 5 to 350 K.	Evaluation D	
Entropy 298.15 K, $S = 163.38 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>C<sub>6</sub>H<sub>12</sub>O</b> (liq)	89VES/BAR
Molecular Weight 140.1876		4-Methyl-2-pentanone; Isobutylmethylketone	
Wiswesser Line Notation T66 B6/B-H/DI A B- C 1B I BN DN FN HNTJ		<b>Heat Capacity</b> 298.15 K, $C_p = 211.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Evaluation A		Temperature range 298.15 to 318.15 K.	
		<b>Molecular Weight</b> 100.1602	
<b>C<sub>6</sub>H<sub>12</sub>N<sub>4</sub></b> (c)	61WES	Wiswesser Line Notation 1Y1&1V1	
Hexamethylenetetramine; 1,3,5,7 Tetraazatricyclo[3.3.1.1 <sup>3,7</sup> ]decane		Evaluation A	
<b>Heat Capacity</b> 298.15 K, $C_p = 152.29 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Temperature range 5 to 350 K. Only value at 298.15 K given.	<b>C<sub>6</sub>H<sub>12</sub>O</b> (liq)	92SVO/KUB
Entropy 298.15 K, $S = 163.38 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		4-Methyl-2-pentanone; Isobutylmethylketone	
Molecular Weight 140.1876		<b>Phase Changes</b>	
Wiswesser Line Notation T66 B6/B-H/DI A B- C 1B I BN DN FN HNTJ		liq/g 388.9 K, $\Delta H = -40610 \text{ J} \cdot \text{mol}^{-1}$	
Evaluation A		Value corrected to 298.15 K.	
Details reported in other papers.		<b>Molecular Weight</b> 100.1602	
		Wiswesser Line Notation 1Y1&1V1	
		Evaluation A	

<b>C<sub>6</sub>H<sub>12</sub>O</b> (liq)		70AND/COU	<b>C<sub>6</sub>H<sub>12</sub>O</b> (liq)		29KEI
3-Hexanone; Ethyl n-propyl ketone			Cyclohexanol; Cyclohexyl alcohol		
<b>Heat Capacity</b> 298.15 K,		$C_p = 216.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K, $C_p = 209.03 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
Temperature range 10 to 320 K.			Temperature range 13 to 300 K. Value is unsmoothed experimental datum.		
<b>Entropy</b> 298.15 K,		$S = 305.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Entropy</b> 298.15 K, $S = 199.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
<b>Phase Changes</b>		$\Delta H = 682 \text{ J} \cdot \text{mol}^{-1}$	Average of values derived from measurements on both low and high temperature crystal forms down to 13 K, plus entropy of transition and fusion. Debye extrapolation below 13.5 K.		
c,II/c,I	145 K,	$\Delta S = 4.73 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
c,I/liq	217.72 K,	$\Delta H = 13490 \text{ J} \cdot \text{mol}^{-1}$			
		$\Delta S = 61.98 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
<b>Molecular Weight</b> 100.1602					
<b>Wiswesser Line Notation</b> 3V2					
<b>Evaluation</b> A					
<b>C<sub>6</sub>H<sub>12</sub>O</b> (liq)		70HAR/HEA			
3-Hexanone; Ethyl n-propyl ketone					
<b>Heat Capacity</b> 298.15 K,		$C_p = 216.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
One temperature.					
<b>Molecular Weight</b> 100.1602			Tm is 23.87 °C from 16RIC/SHI.		
<b>Wiswesser Line Notation</b> 3V2					
<b>Evaluation</b> B					
<b>C<sub>6</sub>H<sub>12</sub>O</b> (liq)		70SCH/ZOS	<b>Molecular Weight</b> 100.1602		
3-Oxahept-1-ene; Vinyl n-butyl ether			<b>Wiswesser Line Notation</b> L6TJ AQ		
<b>Heat Capacity</b> 298.15 K,		$C_p = 231.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Evaluation</b> B		
One value, no details.			Sample may have contained a trace of water.		
<b>Molecular Weight</b> 100.1602					
<b>Wiswesser Line Notation</b> 4O1U1					
<b>Evaluation</b> D					
<b>C<sub>6</sub>H<sub>12</sub>O</b> (liq)		70AND/COU	<b>C<sub>6</sub>H<sub>12</sub>O</b> (liq)		39PH
2-Hexanone; Methyl n-butyl ketone			Cyclohexanol; Cyclohexyl alcohol		
<b>Heat Capacity</b> 298.15 K,		$C_p = 213.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 305.1 K, $C_p = 202.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
Temperature range 10 to 380 K.			One temperature.		
<b>Entropy</b> 298.15 K,		$S = 308.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
<b>Phase Changes</b>		$\Delta H = 14900 \text{ J} \cdot \text{mol}^{-1}$			
c/liq	217.69 K,	$\Delta S = 68.44 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
<b>Molecular Weight</b> 100.1602					
<b>Wiswesser Line Notation</b> 4V1					
<b>Evaluation</b> A					
<b>C<sub>6</sub>H<sub>12</sub>O</b> (liq)		70HAR/HEA	<b>C<sub>6</sub>H<sub>12</sub>O</b> (liq)		68ADA/SU(
2-Hexanone; Methyl n-butyl ketone			Cyclohexanol; Cyclohexyl alcohol		
<b>Heat Capacity</b> 298.15 K,		$C_p = 213.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 300 K, $C_p = 213.59 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
One temperature.			Temperature range 14 to 320 K.		
<b>Molecular Weight</b> 100.1602			<b>Entropy</b> 300 K, $S = 203.87 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
<b>Wiswesser Line Notation</b> 4V1			<b>Phase Changes</b>		
<b>Evaluation</b> B			c,III/c,I 244.8 K, $\Delta H = 8640 \text{ J} \cdot \text{mol}^{-1}$		
<b>C<sub>6</sub>H<sub>12</sub>O</b> (liq)		92SVO/KUB	c,II/c,I 265.50 K, $\Delta S = 35.29 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
2-Hexanone; Methyl n-butyl ketone			c,I/liq 299.09 K, $\Delta H = 8827 \text{ J} \cdot \text{mol}^{-1}$		
<b>Phase Changes</b>		$\Delta H = 43100 \text{ J} \cdot \text{mol}^{-1}$	$\Delta S = 33.25 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
liq/g	400.7 K,		$\Delta H = 1783 \text{ J} \cdot \text{mol}^{-1}$		
Value corrected to 298.15 K.			$\Delta S = 5.96 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
<b>Molecular Weight</b> 100.1602					
<b>Wiswesser Line Notation</b> 4V1					
<b>Evaluation</b> A					
<b>C<sub>6</sub>H<sub>12</sub>O</b> (liq)		24HER/BLO	<b>C<sub>6</sub>H<sub>12</sub>O</b> (liq)		74PET/TE
Cyclohexanol; Cyclohexyl alcohol			Cyclohexanol; Cyclohexyl alcohol		
<b>Heat Capacity</b> 290 K,		$C_p = 174.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 297.95 K, $C_p = 212 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
One temperature.			Temperature range 297 to 428 K. Value is unsmoothed experimental datum.		
<b>Molecular Weight</b> 100.1602			<b>Molecular Weight</b> 100.1602		
<b>Wiswesser Line Notation</b> L6TJ AQ			<b>Wiswesser Line Notation</b> L6TJ AQ		
<b>Evaluation</b> B			<b>Evaluation</b> B		

$C_6H_{12}O$ (liq)	88CAC/COS	$C_6H_{12}O_2$ (liq)	87ZAB/HYN
Cyclohexanol; Cyclohexyl alcohol		Propyl propionate; n-Propyl propanoate	
<b>Heat Capacity</b> 298.15 K,	$C_p = 209.99 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.38 K,	$C_p = 229.00 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
One temperature.		Temperature range 294 to 367 K. Unsmoothed experimental datum.	
<b>Molecular Weight</b> 100.1602		<b>Molecular Weight</b> 116.1596	
Wiswesser Line Notation L6TJ AQ		Wiswesser Line Notation 30V2	
Evaluation B		Evaluation B	
$C_6H_{12}O$ (liq)	91VAS/BYK	$C_6H_{12}O_2$ (liq)	33KOL/UDO
1-Hexanal		Ethyl butanoate; Ethyl butyrate	
<b>Heat Capacity</b> 298.15 K,	$C_p = 210.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 297.2 K,	$C_p = 220.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 11 to 300 K.		One temperature.	
<b>Entropy</b> 298.15 K,	$S = 280.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b> 116.1596	
<b>Phase Changes</b>		Wiswesser Line Notation 3VO2	
c/liq	$\Delta H = 13330 \text{ J} \cdot \text{mol}^{-1}$	Evaluation C	
	$\Delta S = 62.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
<b>Molecular Weight</b> 100.1602		 	
Wiswesser Line Notation VH5		$C_6H_{12}O_2$ (liq)	34KOL/UDO2
Evaluation A		Ethyl butanoate; Ethyl butyrate	
 		<b>Heat Capacity</b> 297.2 K,	$C_p = 220.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
$C_6H_{12}O_2$ (liq)	79FUC	One temperature.	
2-Methyl-2-propyl ethanoate; tert-Butyl acetate		<b>Molecular Weight</b> 116.1596	
<b>Heat Capacity</b> 298.15 K,	$C_p = 231.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Wiswesser Line Notation 3VO2	
One temperature.		Evaluation C	
<b>Molecular Weight</b> 116.1596		 	
Wiswesser Line Notation 1X1&1&OV1		$C_6H_{12}O_2$ (liq)	36KUR/VOS
Evaluation B		Ethyl butanoate; Ethyl butyrate	
 		<b>Heat Capacity</b> 290 K,	$C_p = 229.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
$C_6H_{12}O_2$ (liq)	71HAL/BAL	One temperature.	
Methyl 2,2-dimethylpropanoate; Methyl pivalate		<b>Molecular Weight</b> 116.1596	
<b>Heat Capacity</b> 297 K,	$C_p = 223.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Wiswesser Line Notation 3VO2	
One temperature.		Evaluation D	
<b>Molecular Weight</b> 116.1596		 	
Wiswesser Line Notation 1X1&1&VO1		$C_6H_{12}O_2$ (liq)	79FUC
Evaluation C		Ethyl butanoate; Ethyl butyrate	
 		<b>Heat Capacity</b> 298.15 K,	$C_p = 228.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
$C_6H_{12}O_2$ (liq)	79FUC	One temperature.	
Methyl 2,2-dimethylpropanoate; Methyl pivalate		<b>Molecular Weight</b> 116.1596	
<b>Heat Capacity</b> 298.15 K,	$C_p = 257.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Wiswesser Line Notation 3VO2	
One temperature.		Evaluation B	
<b>Molecular Weight</b> 116.1596		 	
Wiswesser Line Notation 1X1&1&VO1		$C_6H_{12}O_2$ (liq)	33KOL/UDO
Evaluation B		n-Butyl acetate; n-Butyl ethanoate	
 		<b>Heat Capacity</b> 292.5 K,	$C_p = 242.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
$C_6H_{12}O_2$ (liq)	36KUR/VOS	One temperature.	
2-Methyl-1-propyl ethanoate; Isobutyl acetate		<b>Molecular Weight</b> 116.1596	
<b>Heat Capacity</b> 290 K,	$C_p = 240.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Wiswesser Line Notation 40V1	
One temperature.		Evaluation C	
<b>Molecular Weight</b> 116.1596		 	
Wiswesser Line Notation 1Y1&1OV1		$C_6H_{12}O_2$ (liq)	34KOL/UDO2
Evaluation D		n-Butyl acetate; n-Butyl ethanoate	
 		<b>Heat Capacity</b> 292.5 K,	$C_p = 242.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
$C_6H_{12}O_2$ (liq)	86JIM/ROM	One temperature.	
Propyl propionate; n-Propyl propanoate		<b>Molecular Weight</b> 116.1596	
<b>Heat Capacity</b> 298.15 K,	$C_p = 226.65 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Wiswesser Line Notation 40V1	
One temperature.		Evaluation C	
<b>Molecular Weight</b> 116.1596			
Wiswesser Line Notation 30V2			
Evaluation B			

$C_6H_{12}O_2$ (liq)		79FUC	$(C_6H_{12}O_2)_n$ (c)	62DAI/EVA
n-Butyl acetate; n-Butyl ethanoate			1-Hexene polysulphone	
<b>Heat Capacity</b>	298.15 K,		<b>Heat Capacity</b>	$C_p = 221.04 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
One temperature.			Temperature range 20 to 300 K.	
<b>Molecular Weight</b>	116.1596		<b>Entropy</b>	$298.15 \text{ K}$
Wiswesser Line Notation	40V1		<b>Molecular Weight</b>	148.2196
Evaluation	B		Wiswesser Line Notation	
			Evaluation	A
$C_6H_{12}O_2$ (liq)		86JIM/ROM	$C_6H_{12}O_3$ (liq)	83SAN/CI
n-Butyl acetate; n-Butyl ethanoate			2-Ethoxyethanol acetate	
<b>Heat Capacity</b>	298.15 K,		<b>Heat Capacity</b>	$298.15 \text{ K}, C_p = 376 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
One temperature.			Temperature range 273.15 to 323.15 K. $C_p^o (\text{kJ} \cdot \text{kg}^{-1} \cdot \text{K}^{-1}) = 0.009426T + 0.036$	
<b>Molecular Weight</b>	116.1596		<b>Molecular Weight</b>	132.1590
Wiswesser Line Notation	40V1		Wiswesser Line Notation	1VO1O2
Evaluation	B		Evaluation	D
$C_6H_{12}O_2$ (liq)		87ZAB/HYN	$C_6H_{12}O_3$ (liq)	1881R
n-Butyl acetate; n-Butyl ethanoate			2,4,6-Trimethyl-1,3,5-trioxane; Paraldehyde	
<b>Heat Capacity</b>	298.35 K,		<b>Heat Capacity</b>	$298 \text{ K}, C_p = 250.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 294 to 364 K.	Unsmoothed experimental datum.		Temperature range 293 to 400 K.	
<b>Molecular Weight</b>	116.1596		<b>Molecular Weight</b>	132.1590
Wiswesser Line Notation	40V1		Wiswesser Line Notation	T6O CO EOTJ B1 D1 F1
Evaluation	B		Evaluation	D
$C_6H_{12}O_2$ (liq)		79FUC	$C_6H_{12}O_3$ (liq)	39P1
Methyl pentanoate; Methyl valerate			2,4,6-Trimethyl-1,3,5-trioxane; Paraldehyde	
<b>Heat Capacity</b>	298.15 K,		<b>Heat Capacity</b>	$306.6 \text{ K}, C_p = 254.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
One temperature.			One temperature.	
<b>Molecular Weight</b>	116.1596		<b>Molecular Weight</b>	132.1590
Wiswesser Line Notation	4VO1		Wiswesser Line Notation	T6O CO EOTJ B1 D1 F1
Evaluation	B		Evaluation	C
$C_6H_{12}O_2$ (liq)		88PIN/BRA	$C_6H_{12}O_3$ (liq)	69CLE/ME1
Methyl pentanoate; Methyl valerate			2,4,6-Trimethyl-1,3,5-trioxane; Paraldehyde	
<b>Heat Capacity</b>	298.15 K,		<b>Heat Capacity</b>	$298.15 \text{ K}, C_p = 257.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
One temperature.			Temperature range 80 to 310 K.	
<b>Molecular Weight</b>	116.1596		<b>Entropy</b>	$298.15 \text{ K}, S = 289.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Wiswesser Line Notation	4VO1		Extrapolation below 80 K, $61.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .	
Evaluation	B		<b>Phase Changes</b>	
			c,IV/c,III	$\Delta H = 257.7 \text{ J} \cdot \text{mol}^{-1}$
				$\Delta S = 1.81 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
			c,III/c,II	$\Delta H = 773.1 \text{ J} \cdot \text{mol}^{-1}$
				$\Delta S = 5.24 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
				$\Delta H$ and $\Delta S$ of transition for c,II/c,I at 230.3 K has been added if $\Delta H$ and $\Delta S$ of fusion at 285.7 K.
			c,I/liq	$\Delta H = 13520 \text{ J} \cdot \text{mol}^{-1}$
				$\Delta S = 47.32 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
				<b>Molecular Weight</b> 132.1590
				Wiswesser Line Notation T6O CO EOTJ B1 D1 F1
			Evaluation	$B(C_p), C(S)$
$C_6H_{12}O_2$ (liq)		76BON/CER	$C_6H_{12}O_6$ (c)	82LJA/CI
Tetrahydropyran-2-methanol			meso-Inositol	
<b>Heat Capacity</b>	298.15 K,		<b>Heat Capacity</b>	$298.15 \text{ K}, C_p = 218.31 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
One temperature.			One temperature.	
<b>Molecular Weight</b>	116.1596		<b>Molecular Weight</b>	180.1572
Wiswesser Line Notation	T6OTJ B1Q		Wiswesser Line Notation	L6TJ AQ BQ CQ DQ EQ FQ
Evaluation	B		Evaluation	B

$C_6H_{12}O_6$ (c) myo-Inositol <b>Phase Changes</b> c/liq	496.9 K, $\Delta H = 47900 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 96.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	90BAR/DEL	$C_6H_{12}O_6$ (c) $\alpha$ -Glucose(D); Dextrose <b>Heat Capacity</b> 298 K, Temperature range 273 to 318 K. Curve given also for undercooled liquid. <b>Phase Changes</b> c/liq	298 K, $C_p = 220.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ $\Delta H = 31420 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 75.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	34PAR/THO
<b>Molecular Weight</b> 180.1572 <b>Evaluation</b> A			<b>Molecular Weight</b> 180.1572 <b>Wiswesser Line Notation</b> T6OTJ BQ CQ DQ EQ F1Q -A&BCE -B&DF		
$C_6H_{12}O_6$ (c) Fructose <b>Heat Capacity</b> 298 K, One temperature. $C_p$ given as 0.276 cal·g <sup>-1</sup> ·K <sup>-1</sup> .	$C_p = 208.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	03MAG	<b>Evaluation</b> B		
<b>Molecular Weight</b> 180.1572 <b>Wiswesser Line Notation</b> T6OTJ BQ B1Q CQ DQ EQ -A&DE -B&BC			<b>Molecular Weight</b> 180.1572 <b>Wiswesser Line Notation</b> T6OTJ BQ CQ DQ EQ F1Q -A&BCE -B&DF		
$C_6H_{12}O_6$ (c) Fructose(D) <b>Heat Capacity</b> 300 K, Temperature range 270 to 325 K. $C_p$ given as 1.28 J·g <sup>-1</sup> ·K <sup>-1</sup> at 300 K.	$C_p = 231 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	81KAW/NIS	<b>Evaluation</b> B		
<b>Molecular Weight</b> 180.1572 <b>Wiswesser Line Notation</b> T6OTJ BQ B1Q CQ DQ EQ -A&DE -B&BC			<b>Molecular Weight</b> 180.1572 <b>Wiswesser Line Notation</b> T6OTJ BQ CQ DQ EQ F1Q -A&BCE -B&DF		
$C_6H_{12}O_6$ (c) Fructose(D) <b>Heat Capacity</b> 300 K, One temperature. T(glass)=286 K.	$C_p = 201 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	89FIN/FRA	<b>Evaluation</b> B		
<b>Molecular Weight</b> 180.1572 <b>Wiswesser Line Notation</b> T6OTJ BQ B1Q CQ DQ EQ -A&DE -B&BC			<b>Molecular Weight</b> 180.1572 <b>Wiswesser Line Notation</b> T6OTJ BQ CQ DQ EQ F1Q -A&BCE -B&DF		
$C_6H_{12}O_6$ (c) $\alpha$ -Glucose(D); Dextrose <b>Heat Capacity</b> 298 K, One temperature. $C_p$ given as 0.313 cal·g <sup>-1</sup> ·K <sup>-1</sup> .	$C_p = 235.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	03MAG	<b>Evaluation</b> B		
<b>Molecular Weight</b> 180.1572 <b>Wiswesser Line Notation</b> T6OTJ BQ CQ DQ EQ F1Q -A&BCE -B&DF			<b>Molecular Weight</b> 180.1572 <b>Wiswesser Line Notation</b> T6OTJ BQ CQ DQ EQ F1Q -A&BCE -B&DF		
$C_6H_{12}O_6$ (c) $\alpha$ -Glucose(D); Dextrose <b>Heat Capacity</b> 300 K, Temperature range 20 to 287 K.	$C_p = 229.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	22SIM	<b>Evaluation</b> B		
<b>Molecular Weight</b> 180.1572 <b>Wiswesser Line Notation</b> T6OTJ BQ CQ DQ EQ F1Q -A&BCE -B&DF			<b>Molecular Weight</b> 180.1572 <b>Wiswesser Line Notation</b> T6OTJ BQ CQ DQ EQ F1Q -A&BCE -B&DF		
$C_6H_{12}O_6$ (c) $\alpha$ -Glucose(D); Dextrose <b>Heat Capacity</b> 298.1 K, Extrapolation below 90 K. 55.23 J·mol <sup>-1</sup> ·K <sup>-1</sup> .	$C_p = 211.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	29PAR/KEL	<b>Evaluation</b> B		
<b>Molecular Weight</b> 180.1572 <b>Wiswesser Line Notation</b> T6OTJ BQ CQ DO EO F1Q -A&BCE -B&DF			<b>Molecular Weight</b> 180.1572 <b>Wiswesser Line Notation</b> T6OTJ BQ CQ DQ EQ F1Q -A&BCE -B&DF		
<b>Evaluation</b> C			<b>Evaluation</b> B		
					81KAW/NIS
					51DOU/BAL
					82LIA/CHE
					89FIN/FRA

$C_6H_{12}O_6$ (c)		91BOE	$C_6H_{12}S$ (liq)	74MES/FII
$\alpha$ -Glucose(D); Dextrose			Cyclopentyl-1-thiaethane; Cyclopentyl methyl sulfide	
<b>Heat Capacity</b>	298.15 K, Temperature range 7 to 347 K.	$C_p=219.19 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K, $C_p=192.92 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Entropy</b>	298.15 K,	$S=209.19 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Temperature range</b>	10 to 370 K.
<b>Molecular Weight</b>	180.1572		<b>Entropy</b>	298.15 K, $S=285.47 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Wiswesser Line Notation</b>	T6OTJ BQ CQ DQ EQ F1Q -A&BCE		<b>Phase Changes</b>	
<b>-B&amp;DF</b>			c,II/c,I	165.0 K, $\Delta H=895 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=5.42 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Evaluation</b>	A		c,I/liq	169.85 K, $\Delta H=9226 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=54.32 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
$C_6H_{12}O_6$ (c)		41JAC/STE	c,II/liq	169.34 K, $\Delta H=10104 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=59.67 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
$\alpha$ -Galactose(D)			<b>Molecular Weight</b>	116.2208
<b>Heat Capacity</b>	296.9 K,	$C_p=220.54 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Wiswesser Line Notation</b>	L5TJ AS1
		Temperature range 64 to 297 K. Value is unsmoothed experimental datum.	<b>Evaluation</b>	A
<b>Entropy</b>	298.15 K, Extrapolation below 90 K, 48.95 $\text{J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ .	$S=205.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	$C_6H_{12}S$ (liq)	67MES/TO
<b>Molecular Weight</b>	180.1572		Cyclohexanethiol; Cyclohexyl mercaptan	
<b>Wiswesser Line Notation</b>	T6OTJ BQ CQ DQ EQ F1Q -A&BC		<b>Heat Capacity</b>	298.15 K, $C_p=192.63 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>-B&amp;DEF</b>			<b>Temperature range</b>	10 to 370 K.
<b>Evaluation</b>	B( $C_p$ ),C(S)		<b>Entropy</b>	298.15 K, $S=255.57 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
$C_6H_{12}O_6$ (c)		81KAW/NIS	<b>Phase Changes</b>	
Galactose(D)			c/liq	189.64 K, $\Delta H=10000 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=52.73 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Heat Capacity</b>	300 K,	$C_p=216 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Molecular Weight</b>	116.2208
		Temperature range 270 to 325 K. $C_p$ given as 1.20 $\text{J}\cdot\text{g}^{-1}\cdot\text{K}^{-1}$ at 300 K.	<b>Wiswesser Line Notation</b>	L6TJ ASH
<b>Molecular Weight</b>	180.1572		<b>Evaluation</b>	A
<b>Wiswesser Line Notation</b>	T6OTJ BQ CQ DQ EQ F1Q -A&BC		$C_6H_{13}Br$ (liq)	31DE
<b>-B&amp;DEF</b>			1-Bromohexane; n-Hexyl bromide	
<b>Evaluation</b>	B		<b>Heat Capacity</b>	298.8 K, $C_p=203.55 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
$C_6H_{12}O_6$ (c,I)		41JAC/STE		Temperature range 95 to 290 K. Value is unsmoothed experimental datum.
Sorbose(L)			<b>Entropy</b>	298.15 K, Extrapolation below 100 K, 58.12 $\text{J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ .
<b>Heat Capacity</b>	295.9 K,	$C_p=228.61 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Phase Changes</b>	
		Temperature range 64 to 296 K. Value is unsmoothed experimental datum.	c/liq	188.1 K, $\Delta H=18054 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=95.98 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Entropy</b>	298.15 K, Extrapolation below 90 K, 50.21 $\text{J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ .	$S=220.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Molecular Weight</b>	165.0727
<b>Phase Changes</b>			<b>Wiswesser Line Notation</b>	E6
c,II/c,I	199.22 K,	$\Delta H=601.2 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=3.02 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Evaluation</b>	B( $C_p$ ),C(S)
<b>Molecular Weight</b>	180.1572		$C_6H_{13}Br$ (liq)	93SF
<b>Wiswesser Line Notation</b>	T6OTJ BQ CQ DQ EQ F1Q -A&E		1-Bromohexane; n-Hexyl bromide	
<b>-B&amp;BCDF</b>			<b>Heat Capacity</b>	298.15 K, One temperature.
<b>Evaluation</b>	B( $C_p$ ),C(S)		<b>Molecular Weight</b>	165.0727
$C_6H_{12}O_6$ (c)		81KAW/NIS	<b>Wiswesser Line Notation</b>	E6
Mannose(D)			<b>Evaluation</b>	B
<b>Heat Capacity</b>	300 K,	$C_p=214 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	$(C_6H_{12}N_2O \cdot HBr)_n$ (c)	91RC
		Temperature range 270 to 325 K. $C_p$ given as 1.19 $\text{J}\cdot\text{g}^{-1}\cdot\text{K}^{-1}$ at 300 K.	Poly-L-lysine hydrobromide	
<b>Molecular Weight</b>	180.1572		<b>Heat Capacity</b>	300 K, $C_p=208.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Wiswesser Line Notation</b>	T6OTJ BQ CQ DQ EQ F1Q -A&E			Temperature range 220 to 390 K.
<b>-B&amp;CDF</b>			<b>Molecular Weight</b>	209.0855
<b>Evaluation</b>	B		<b>Wiswesser Line Notation</b>	/*VY4Z &EH &M*/ -L
			<b>Evaluation</b>	B

$(C_6H_{12}N_2O \cdot HBr)_n$ (c)	93ROL/XEN	$C_p = 208.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	$C_6H_{13}N$ (liq)	87MES/TOD
Poly-L-lysine hydrobromide			2-Methylpiperidine	
<b>Heat Capacity</b>	300 K,	$C_p = 208.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,
Temperature range 220 to 390 K.			Temperature range	10 to 390 K.
<b>Molecular Weight</b>	209.0855		<b>Entropy</b>	298.15 K,
Wiswesser Line Notation /*VY4Z &EH &M*/ -L			<b>Phase Changes</b>	
Evaluation	B		c/liq	269.357 K,
			<b>Molecular Weight</b>	99.1754
			Wiswesser Line Notation	T6MTJ B1
			Evaluation	A
$C_6H_{13}Cl$ (liq)	93SHE		 	
1-Chlorohexane; n-Hexyl chloride			$C_6H_{13}N$ (liq)	88MES/TOD
<b>Heat Capacity</b>	298.15 K,	$C_p = 216.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	2-Methylpiperidine	
One temperature.			<b>Heat Capacity</b>	298.150 K,
<b>Molecular Weight</b>	120.6217		Temperature range	10 to 400 K.
Wiswesser Line Notation G6			<b>Entropy</b>	298.150 K,
Evaluation	B		<b>Phase Changes</b>	
			c/liq	269.357 K,
			<b>Molecular Weight</b>	99.1754
			Wiswesser Line Notation	T6MTJ B1
			Evaluation	A
$(C_6H_{12}N_4O \cdot HCl)_n$ (c)	91ROL		 	
Poly-L-arginine hydrochloride			$C_6H_{13}N$ (liq)	76CON/GIN
<b>Heat Capacity</b>	300 K,	$C_p = 236.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	4-Methylpiperidine	
Temperature range 220 to 390 K.			<b>Heat Capacity</b>	298 K,
<b>Molecular Weight</b>	192.6479		$C_p = 209 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Wiswesser Line Notation /*VY3MYUM&Z &GH &M*/ -L			One temperature.	
Evaluation	aB		<b>Molecular Weight</b>	99.1754
			Wiswesser Line Notation	T6MTJ D1
			Evaluation	C
$(C_6H_{12}N_4O \cdot HCl)_n$ (c)	93ROL/XEN		 	
Poly-L-arginine hydrochloride			$C_6H_{13}N$ (liq)	76CON/GIN
<b>Heat Capacity</b>	300 K,	$C_p = 236.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	N-Methylpiperidine	
Temperature range 220 to 390 K.			<b>Heat Capacity</b>	298 K,
<b>Molecular Weight</b>	192.6479		$C_p = 184.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Wiswesser Line Notation /*VY3MYUM&Z &GH &M*/ -L			One temperature.	
Evaluation	B		<b>Molecular Weight</b>	99.1754
			Wiswesser Line Notation	T6NTJ A1
			Evaluation	B
$C_6H_{13}I$ (liq)	93SHE		 	
1-Iodohexane; n-Hexyl iodide			$C_6H_{13}N$ (liq)	76CON/GIN
<b>Heat Capacity</b>	298.15 K.	$C_p = 222.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Hexamethyleneimine; Perhydroazepine	
One temperature.			<b>Heat Capacity</b>	298 K,
<b>Molecular Weight</b>	212.0732		$C_p = 205 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Wiswesser Line Notation I6			One temperature.	
Evaluation	B		<b>Molecular Weight</b>	99.1754
			Wiswesser Line Notation	T7MTJ
			Evaluation	C
$C_6H_{13}N$ (liq)	76CON/GIN		 	
2-Methylpiperidine			$C_6H_{13}NO$ (c)	71KON/WAD
<b>Heat Capacity</b>	298 K,	$C_p = 205 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	2,2,N-Trimethylpropanamide	
One temperature.			<b>Heat Capacity</b>	298.15 K,
<b>Molecular Weight</b>	99.1754		$C_p = 183 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Wiswesser Line Notation T6MTJ B1			One temperature.	
Evaluation	C		<b>Molecular Weight</b>	115.1748
			Wiswesser Line Notation	1X1&1&VM1
			Evaluation	B
$C_6H_{13}N$ (liq)	86STE/CHI		 	
2-Methylpiperidine			$C_6H_{13}NO$ (c)	71KON/WAD
<b>Heat Capacity</b>	298.15 K,	$C_p = 212.97 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	N-(1,1-Dimethylethyl)ethanamide; N-tert-Butylacetamide	
Temperature range 10 to 380 K.			<b>Heat Capacity</b>	298.15 K,
<b>Entropy</b>	298.15 K.	$S = 243.75 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	$C_p = 190 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Phase Changes</b>			One temperature.	
c/liq	269.357 K		<b>Molecular Weight</b>	115.1748
<b>Molecular Weight</b>	99.1754		Wiswesser Line Notation	1X1&1&MV1
Wiswesser Line Notation T6MTJ B1			Evaluation	B
Evaluation	A			

$C_6H_{13}NO$ (liq)		71KON/WAD	$C_6H_{13}NO_2$ (c)		63HUT/COI
N-n-Butylethanamide; N-n-Butylacetamide			Leucine(L); 2-Amino-4-methylpentanoic acid(L)		
<b>Heat Capacity</b> 298.15 K, $C_p=236 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			<b>Heat Capacity</b> 298.15 K, $C_p=200.96 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		
One temperature.			Temperature range 11 to 310 K.		
<b>Molecular Weight</b> 115.1748			<b>Entropy</b> 298.15 K, $S=211.79 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		
<b>Wiswesser Line Notation</b> 4MV1			<b>Molecular Weight</b> 131.1742		
<b>Evaluation</b> B			<b>Wiswesser Line Notation</b> QVYZ1Y1&1 -L		
			<b>Evaluation</b> A		
$C_6H_{13}NO$ (liq)		86ZEG/BOE	$C_6H_{13}NO_2$ (c)		75SPI/WAL
N-n-Butylethanamide; N-n-Butylacetamide			Leucine(L); 2-Amino-4-methylpentanoic acid(L)		
<b>Heat Capacity</b> 298.15 K, $C_p=236.89 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			<b>Heat Capacity</b> 298.15 K, $C_p=201.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		
One temperature.			One temperature.		
<b>Molecular Weight</b> 115.1748			<b>Molecular Weight</b> 131.1742		
<b>Wiswesser Line Notation</b> 4MV1			<b>Wiswesser Line Notation</b> QVYZ1Y1&1 -L		
<b>Evaluation</b> B			<b>Evaluation</b> B		
$C_6H_{13}NO$ (liq)		71KON/WAD	$C_6H_{13}NO_2$ (c)		84GRU/BOU
N-Methylpentanamide; N-Methylvaleramide			Leucine(L); 2-Amino-4-methylpentanoic acid(L)		
<b>Heat Capacity</b> 298.15 K, $C_p=229 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			<b>Phase Changes</b>		
One temperature.			c.II/c,I 352 K, $\Delta H=200 \text{ J}\cdot\text{mol}^{-1}$		
<b>Molecular Weight</b> 115.1748			$\Delta S=0.57 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		
<b>Wiswesser Line Notation</b> 4VM1			<b>Molecular Weight</b> 131.1742		
<b>Evaluation</b> B			<b>Wiswesser Line Notation</b> QVYZ1Y1&1 -L		
			<b>Evaluation</b> B		
$C_6H_{13}NO$ (liq)		76SKO/SUU	$C_6H_{13}NO_2$ (c)		89KUL/KOZ
N-Methylpentanamide; N-Methylvaleramide			Leucine(L); 2-Amino-4-methylpentanoic acid(L)		
<b>Heat Capacity</b> 298.15 K, $C_p=238.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			<b>Heat Capacity</b> 298 K, $C_p=190.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		
One temperature.			Temperature range 298 to 348 K.		
<b>Molecular Weight</b> 115.1748			<b>Molecular Weight</b> 131.1742		
<b>Wiswesser Line Notation</b> 4VM1			<b>Wiswesser Line Notation</b> QVYZ1Y1&1 -L		
<b>Evaluation</b> A			<b>Evaluation</b> C		
$C_6H_{13}NO_2$ (liq)		92VER/BEC	$C_6H_{13}NO_2$ (c)		90BAD/KU1
N,N-Dimethyl-L-alanine methyl ester			Leucine(L); 2-Amino-4-methylpentanoic acid(L)		
<b>Heat Capacity</b> 298.15 K, $C_p=268.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			<b>Heat Capacity</b> 298 K, $C_p=191 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		
One temperature.			Temperature range 298, 313, 333, 348 K.		
<b>Molecular Weight</b> 131.1742			<b>Molecular Weight</b> 131.1742		
<b>Wiswesser Line Notation</b> 1OVY1&N1&1			<b>Wiswesser Line Notation</b> QVYZ1Y1&1 -L		
<b>Evaluation</b> B			<b>Evaluation</b> D		
$C_6H_{13}NO_2$ (liq)		92VER/BEC	$C_6H_{13}NO_2$ (c)		84GRU/BO!
N,N-Dimethylglycine ethyl ester			Norleucine(L); $\alpha$ -Aminocaproic acid(L)		
<b>Heat Capacity</b> 298.15 K, $C_p=244.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			<b>Phase Changes</b>		
One temperature.			c.II/c,I 389 K, $\Delta H=110 \text{ J}\cdot\text{mol}^{-1}$		
<b>Molecular Weight</b> 131.1742			$\Delta S=0.28 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		
<b>Wiswesser Line Notation</b> 2OV1N1&1			<b>Molecular Weight</b> 131.1742		
<b>Evaluation</b> B			<b>Wiswesser Line Notation</b> QVYZ4 -L		
			<b>Evaluation</b> B		
$C_6H_{13}NO_2$ (c)		37HUF/ELL	$C_6H_{13}NO_2$ (c)		84GRU/BO
Leucine(DL); 2-Amino-4-methylpentanoic acid(DL)			Norleucine(DL); $\alpha$ -Aminocaproic acid(DL)		
<b>Heat Capacity</b> 296.6 K, $C_p=194.30 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			<b>Phase Changes</b>		
Temperature range 86 to 297 K. Value is unsmoothed experimental datum.			c.II/c,I 390 K, $\Delta H=4410 \text{ J}\cdot\text{mol}^{-1}$		
<b>Entropy</b> 298.15 K, $S=207.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			$\Delta S=11.31 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		
Extrapolation below 90 K, 58.20 $\text{J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ .			<b>Molecular Weight</b> 131.1742		
<b>Molecular Weight</b> 131.1742			<b>Wiswesser Line Notation</b> QVYZ4		
<b>Wiswesser Line Notation</b> QVYZ1Y1&1 -DL			<b>Evaluation</b> B		
<b>Evaluation</b> B( $C_p$ ),C(S)					

<b>C<sub>6</sub>H<sub>13</sub>NO<sub>2</sub></b> (c)	88PET/TSY	C <sub>6</sub> H <sub>14</sub> (liq)	71ADA/SUG
Norleucine(DL); $\alpha$ -Aminocaproic acid(DL)		2,3-Dimethylbutane	
<b>Phase Changes</b>		<b>Heat Capacity</b>	298.15 K, $C_p = 189.70 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c,II/c,I	390.4 K, $\Delta H = 4200 \text{ J} \cdot \text{mol}^{-1}$	Temperature range	13 to 300 K.
	$\Delta S = 10.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Entropy</b>	298.15 K, $S = 278.85 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	131.1742	<b>Phase Changes</b>	
<b>Wiswesser Line Notation</b>	QVYZ4	c,III/c,I	107 K, $\Delta H = 2370 \text{ J} \cdot \text{mol}^{-1}$
<b>Evaluation</b>	A		$\Delta S = 22.15 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
		c,III has residual entropy of 2.7 $\text{J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .	
		c,II/c,I	136.02 K, $\Delta H = 6425 \text{ J} \cdot \text{mol}^{-1}$
			$\Delta S = 47.24 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
		c,II stable form to 10 K; apparently has no zero point entropy.	
		c,I/liq	145.04 K, $\Delta H = 793.7 \text{ J} \cdot \text{mol}^{-1}$
			$\Delta S = 5.47 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	86.1766	<b>Molecular Weight</b>	86.1766
<b>Wiswesser Line Notation</b>	1Y1&Y1&1	<b>Evaluation</b>	A
<b>Evaluation</b>	A		
<b>C<sub>6</sub>H<sub>13</sub>NO<sub>2</sub></b> (c)	63HUT/COL	<b>C<sub>6</sub>H<sub>14</sub></b> (liq)	82WIL/FAR
2-Amino-3-methylpentanoic acid(L); Isoleucine(L)		2,3-Dimethylbutane	
<b>Heat Capacity</b>	298.15 K, $C_p = 188.28 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K, $C_p = 188.80 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 11 to 310 K.		One temperature.	
<b>Entropy</b>	298.15 K, $S = 207.99 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b>	86.1766
<b>Molecular Weight</b>	131.1742	<b>Wiswesser Line Notation</b>	1Y1&Y1&1
<b>Wiswesser Line Notation</b>	QVYZY2&1 -L	<b>Evaluation</b>	B
<b>Evaluation</b>	A		
<b>C<sub>6</sub>H<sub>13</sub>NO<sub>2</sub></b> (c)	83SKO/SAB	<b>C<sub>6</sub>H<sub>14</sub></b> (liq)	83AIC/KUM
6-Aminohexanoic acid		2,3-Dimethylbutane	
<b>Heat Capacity</b>	298 K, $C_p = 175.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K, $C_p = 188.77 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
One temperature.		One temperature.	
<b>Molecular Weight</b>	131.1742	<b>Molecular Weight</b>	86.1766
<b>Wiswesser Line Notation</b>	Z5VQ	<b>Wiswesser Line Notation</b>	1Y1&Y1&1
<b>Evaluation</b>	B	<b>Evaluation</b>	B
<b>C<sub>6</sub>H<sub>13</sub>N<sub>3</sub>O<sub>3</sub></b> (c)	40HUF/FOX	<b>C<sub>6</sub>H<sub>14</sub></b> (liq)	83BEN/DAR
Citrulline(DL)		2,3-Dimethylbutane	
<b>Heat Capacity</b>	300.8 K, $C_p = 232.80 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K, $C_p = 188.77 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 90 to 298 K. Value is unsmoothed experimental datum.		One temperature.	
<b>Entropy</b>	298.15 K, $S = 254.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b>	86.1766
Extrapolation below 90 K, 75.94 $\text{J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .		<b>Wiswesser Line Notation</b>	1Y1&Y1&1
<b>Molecular Weight</b>	175.1870	<b>Evaluation</b>	B
<b>Wiswesser Line Notation</b>	ZVM3YZVQ		
<b>Evaluation</b>	B( $C_p$ ),C(S)		
<b>C<sub>6</sub>H<sub>14</sub></b> (liq)	37STU	<b>C<sub>6</sub>H<sub>14</sub></b> (liq)	84BEN/DAR
2,3-Dimethylbutane		2,3-Dimethylbutane	
<b>Heat Capacity</b>	298.1 K, $C_p = 184.35 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K, $C_p = 188.67 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 140 to 320 K.		One temperature.	
<b>Molecular Weight</b>	86.1766	<b>Molecular Weight</b>	86.1766
<b>Wiswesser Line Notation</b>	1Y1&Y1&1	<b>Wiswesser Line Notation</b>	1Y1&Y1&1
<b>Evaluation</b>	B( $C_p$ )	<b>Evaluation</b>	B
<b>C<sub>6</sub>H<sub>14</sub></b> (liq)	46DOU/HUF	<b>C<sub>6</sub>H<sub>14</sub></b> (liq)	86BEN/DAR3
2,3-Dimethylbutane		2,3-Dimethylbutane	
<b>Heat Capacity</b>	298.15 K, $C_p = 188.74 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K, $C_p = 189.04 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 13 to 300 K		One temperature.	
<b>Entropy</b>	298.15 K, $S = 277.52 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b>	86.1766
<b>Phase Changes</b>		<b>Wiswesser Line Notation</b>	1Y1&Y1&1
c,II/c,I	136.07 K, $\Delta H = 6494 \text{ J} \cdot \text{mol}^{-1}$	<b>Evaluation</b>	B
	$\Delta S = 47.72 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
c,I/liq	145.19 K, $\Delta H = 800.8 \text{ J} \cdot \text{mol}^{-1}$		
	$\Delta S = 5.52 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
<b>Molecular Weight</b>	86.1766		
<b>Wiswesser Line Notation</b>	1Y1&Y1&1		
<b>Evaluation</b>	A		

$C_6H_{14}$ (liq)		89OHN/FUJ	$C_6H_{14}$ (liq)		83AIC/KUM
2,3-Dimethylbutane			2,2-Dimethylbutane		
<b>Heat Capacity</b>	298.15 K,	$C_p=189.02 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p=189.14 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
One temperature.			One temperature.		
<b>Molecular Weight</b>	86.1766		<b>Molecular Weight</b>	86.1766	
Wiswesser Line Notation	1Y1&Y1&1		Wiswesser Line Notation	2X1&1&1	
Evaluation	B		Evaluation	B	
$C_6H_{14}$ (liq)		37STU	$C_6H_{14}$ (liq)		83BEN/DAR
2,2-Dimethylbutane			2,2-Dimethylbutane		
<b>Heat Capacity</b>	298.1 K,	$C_p=183.18 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p=189.14 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 90 to 320 K.			One temperature.		
<b>Entropy</b>	298.1 K,	$S=269.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b>	86.1766	
Extrapolation below 90 K, 17.76 cal $\cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .			Wiswesser Line Notation	2X1&1&1	
<b>Phase Changes</b>			Evaluation	B	
c,II/c,I	127.11 K,	$\Delta H=4581 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S=36.04 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
c,II/liq	172.13 K,	$\Delta H=464 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S=2.70 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
<b>Molecular Weight</b>	86.1766		 		
Wiswesser Line Notation	2X1&1&1		$C_6H_{14}$ (liq)		86BEN/DAR3
Evaluation	B( $C_p$ ),C(S)		2,2-Dimethylbutane		
 			<b>Heat Capacity</b>	298.15 K,	$C_p=189.44 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
$C_6H_{14}$ (liq)		46DOU/HUF	One temperature.		
2,2-Dimethylbutane			<b>Molecular Weight</b>	86.1766	
<b>Heat Capacity</b>	298.15 K,	$C_p=188.74 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Wiswesser Line Notation	2X1&1&1	
Temperature range 13 to 300 K.			Evaluation	B	
<b>Entropy</b>	298.15 K,	$S=272.00 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	 		
<b>Phase Changes</b>			$C_6H_{14}$ (liq)		88COS/HUU
c,III/c,II	126.81 K,	$\Delta H=5410 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S=42.66 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	2,2-Dimethylbutane		
c,II/c,I	140.79 K,	$\Delta H=285.3 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S=2.03 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p=191.88 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c,I/liq	174.28 K,	$\Delta H=579.1 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S=3.32 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	One temperature.		
<b>Molecular Weight</b>	86.1766		<b>Molecular Weight</b>	86.1766	
Wiswesser Line Notation	2X1&1&1		Wiswesser Line Notation	2X1&1&1	
Evaluation	A		Evaluation	B	
$C_6H_{14}$ (liq)		46KIL/PIT	$C_6H_{14}$ (liq)		88PER/AIC
2,2-Dimethylbutane			2,2-Dimethylbutane		
<b>Heat Capacity</b>	290 K,	$C_p=186.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p=191.88 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 20 to 290 K.			One temperature.		
<b>Entropy</b>	298.15 K,	$S=272.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b>	86.1766	
<b>Phase Changes</b>			Wiswesser Line Notation	2X1&1&1	
c,III/c,II	126.81 K,	$\Delta H=5394 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S=42.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Evaluation	A	
c,II/c,I	140.88 K,	$\Delta H=283 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S=2.01 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	 		
c,I/liq	174.66 K,	$\Delta H=579 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S=3.33 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	 		
<b>Molecular Weight</b>	86.1766		 		
Wiswesser Line Notation	2X1&1&1		$C_6H_{14}$ (liq)		37STU
Evaluation	A		3-Methylpentane		
 			<b>Heat Capacity</b>	298.1 K,	$C_p=187.36 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
$C_6H_{14}$ (liq)		50AUE/SAG	Temperature range 90 to 320 K.		
2,2-Dimethylbutane			<b>Molecular Weight</b>	86.1766	
<b>Heat Capacity</b>	300 K,	$C_p=191.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Wiswesser Line Notation	2Y2&1	
Temperature range 300 to 366 K. $C_p$ given as 0.5312 Btu(lb) $^{-1}$ ( $^{\circ}\text{R}$ ) $^{-1}$ at 80 $^{\circ}\text{F}$ .			Evaluation	B( $C_p$ ),C(S)	
<b>Molecular Weight</b>	86.1766		 		
Wiswesser Line Notation	2X1&1&1		 		
Evaluation	B		$C_6H_{14}$ (c)		46DOU/HUJ
 			3-Methylpentane		
$C_6H_{14}$ (c)			<b>Heat Capacity</b>	298.15 K,	$C_p=190.83 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
3-Methylpentane			Temperature range 13 to 300 K.		
<b>Heat Capacity</b>	298.15 K,		<b>Molecular Weight</b>	86.1766	
Temperature range 13 to 300 K.			Wiswesser Line Notation	2Y2&1	
<b>Evaluation</b>	A		Evaluation	A	

$C_6H_{14}$ (liq)		73FIN/MES	$C_6H_{14}$ (liq)		89OHN/FUJ
3-Methylpentane			3-Methylpentane		
<b>Heat Capacity</b>	298.15 K, Temperature range 10 to 330 K.	$C_p = 190.67 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K, One temperature.	$C_p = 191.16 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Entropy</b>	298.15 K, Thermodynamic properties calculated from a Debye function at 10 K.	$S = 292.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b>	86.1766	
<b>Phase Changes</b>			<b>Wiswesser Line Notation</b>	2Y2&1	
c,l/liq	110.26 K,	$\Delta H = 5303.2 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 48.101 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Evaluation</b>	B	
<b>Molecular Weight</b>	86.1766				
<b>Wiswesser Line Notation</b>	2Y2&1				
<b>Evaluation</b>	A				
$C_6H_{14}$ (liq)		82CZA	$C_6H_{14}$ (liq)		37STU
3-Methylpentane			2-Methylpentane		
<b>Heat Capacity</b>	298.95 K, One temperature.	$C_p = 186.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.1 K, Temperature range 90 to 320 K.	$C_p = 198.45 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	86.1766		<b>Entropy</b>	298.1 K, Extrapolation below 90 K, 103.72 $\text{J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .	$S = 292.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b>	2Y2&1		<b>Molecular Weight</b>	86.1766	
<b>Evaluation</b>	B		<b>Wiswesser Line Notation</b>	3Y1&1	
$C_6H_{14}$ (liq)		82OGU/WAT	<b>Evaluation</b>	$B(C_p), C(S)$	
3-Methylpentane					
<b>Heat Capacity</b>	288.19 K, Temperature range 80 to 370 K. Unsmoothed experimental datum. Heat capacity measured as a check of the calorimeter's performance.	$C_p = 187.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
<b>Molecular Weight</b>	86.1766				
<b>Wiswesser Line Notation</b>	2Y2&1				
<b>Evaluation</b>	B				
$C_6H_{14}$ (liq)		83AIC/KUM	$C_6H_{14}$ (liq)		46DOU/HUF
3-Methylpentane			2-Methylpentane		
<b>Heat Capacity</b>	298.15 K, One temperature.	$C_p = 190.77 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K, Temperature range 13 to 300 K.	$C_p = 193.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	86.1766		<b>Entropy</b>	298.15 K, Extrapolation below 13 K, 103.58 $\text{J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .	$S = 290.58 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b>	2Y2&1		<b>Phase Changes</b>	c/liq	$\Delta H = 6268 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 52.43 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Evaluation</b>	B		<b>Molecular Weight</b>	86.1766	
$C_6H_{14}$ (liq)			<b>Wiswesser Line Notation</b>	3Y1&1	
3-Methylpentane			<b>Evaluation</b>	A	
<b>Heat Capacity</b>	298.15 K, One temperature.				
<b>Molecular Weight</b>	86.1766				
<b>Wiswesser Line Notation</b>	2Y2&1				
<b>Evaluation</b>	B				
$C_6H_{14}$ (liq)		83BEN/DAR	$C_6H_{14}$ (liq)		83BEN/DAR
3-Methylpentane			2-Methylpentane		
<b>Heat Capacity</b>	298.15 K, One temperature.	$C_p = 190.77 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K, One temperature.	$C_p = 193.84 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	86.1766		<b>Molecular Weight</b>	86.1766	
<b>Wiswesser Line Notation</b>	2Y2&1		<b>Wiswesser Line Notation</b>	3Y1&1	
<b>Evaluation</b>	B		<b>Evaluation</b>	B	
$C_6H_{14}$ (liq)		84BEN/DAR	$C_6H_{14}$ (liq)		84BEN/DAR
3-Methylpentane			2-Methylpentane		
<b>Heat Capacity</b>	298.15 K, One temperature.	$C_p = 190.86 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K, One temperature.	$C_p = 193.92 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	86.1766		<b>Molecular Weight</b>	86.1766	
<b>Wiswesser Line Notation</b>	2Y2&1		<b>Wiswesser Line Notation</b>	3Y1&1	
<b>Evaluation</b>	B		<b>Evaluation</b>	B	
$C_6H_{14}$ (liq)		86BEN/DAR3	$C_6H_{14}$ (liq)		86BEN/DAR3
3-Methylpentane			2-Methylpentane		
<b>Heat Capacity</b>	298.15 K, One temperature.	$C_p = 190.99 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K, One temperature.	$C_p = 193.96 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	86.1766		<b>Molecular Weight</b>	86.1766	
<b>Wiswesser Line Notation</b>	2Y2&1		<b>Wiswesser Line Notation</b>	3Y1&1	
<b>Evaluation</b>	B		<b>Evaluation</b>	B	

$C_6H_{14}$ (liq)		890HN/FUJ	$C_6H_{14}$ (liq)		46DOU/HUF
2-Methylpentane			n-Hexane		
<b>Heat Capacity</b>	298.15 K, One temperature.	$C_p = 194.19 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K, Temperature range 13 to 300 K.	$C_p = 194.97 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	86.1766		<b>Entropy</b>	298.15 K,	$S = 296.06 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b>	3Y1&1		<b>Phase Changes</b>	c/liq	$\Delta H = 13079 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 73.54 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Evaluation</b>	B				
$C_6H_{14}$ (liq)		1881REI	<b>Molecular Weight</b>	86.1766	
n-Hexane			<b>Wiswesser Line Notation</b>	6H	
<b>Heat Capacity</b>	298 K, Temperature range 290 to 363 K.	$C_p = 194.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Evaluation</b>	B	
<b>Molecular Weight</b>	86.1766				
<b>Wiswesser Line Notation</b>	6H				
<b>Evaluation</b>	D				
$C_6H_{14}$ (liq)		30PAR/HUF	$C_6H_{14}$ (liq)		51CON/SAC
n-Hexane			n-Hexane		
<b>Heat Capacity</b>	295.1 K, Temperature range 90 to 295 K. Value is unsmoothed experimental datum.	$C_p = 191.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	299.8 K, Temperature range 80 to 200 °F.	$C_p = 196.10 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Entropy</b>	298.15 K, Extrapolation below 90 K, 65.44 $\text{J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .	$S = 297.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b>	86.1766	
<b>Phase Changes</b>	c/liq	178.6 K, $\Delta H = 12581 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 70.44 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Wiswesser Line Notation</b>	6H	
<b>Molecular Weight</b>	86.1766		<b>Evaluation</b>	B	
<b>Wiswesser Line Notation</b>	6H				
<b>Evaluation</b>	B( $C_p$ ),C(S)				
$C_6H_{14}$ (liq)		31HUF/PAR	$C_6H_{14}$ (liq)		74DIA/REN
n-Hexane			n-Hexane		
<b>Heat Capacity</b>	293.5 K, Temperature range 140 to 294 K. Value is unsmoothed experimental datum.	$C_p = 193.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K, Temperature range 298 to 325 K.	$C_p = 198.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Entropy</b>	298.1 K, Extrapolation below 90 K, 64.02 $\text{J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .	$S = 295.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b>	86.1766	
<b>Phase Changes</b>	c/liq	177.9 K, $\Delta H = 13033 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 73.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Wiswesser Line Notation</b>	6H	
<b>Molecular Weight</b>	86.1766		<b>Evaluation</b>	B	
<b>Wiswesser Line Notation</b>	6H				
<b>Evaluation</b>	B( $C_p$ ),C(S)				
$C_6H_{14}$ (liq)		37STU	$C_6H_{14}$ (liq)		75GRI/RA:
n-Hexane			n-Hexane		
<b>Heat Capacity</b>	298.1 K, Temperature range 90 to 320 K. Hump about 262 K with abnormal curve to 320 K.	$C_p = 189.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298 K, Temperature range 300 to 463 K.	$C_p = 196.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Entropy</b>	298.1 K, Extrapolation below 91 K, 54.68 $\text{J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .	$S = 289.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b>	86.1766	
<b>Phase Changes</b>	c/liq	177.90 K, $\Delta H = 12343 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 69.38 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Wiswesser Line Notation</b>	6H	
<b>Molecular Weight</b>	86.1766		<b>Evaluation</b>	B	
<b>Wiswesser Line Notation</b>	6H				
<b>Evaluation</b>	B( $C_p$ ),C(S)				
$C_6H_{14}$ (liq)		39PHI	$C_6H_{14}$ (liq)		80KAL/JEI
n-Hexane			n-Hexane		
<b>Heat Capacity</b>	300.7 K, One temperature.	$C_p = 186.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	297.316 K, Temperature range 185 to 300 K. Unsmoothed experimental datum.	$C_p = 195.64 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	86.1766		<b>Molecular Weight</b>	86.1766	
<b>Wiswesser Line Notation</b>	6H		<b>Wiswesser Line Notation</b>	6H	
<b>Evaluation</b>	C		<b>Evaluation</b>	B	
$C_6H_{14}$ (liq)			$C_6H_{14}$ (liq)		81GRO/IN:
n-Hexane			n-Hexane		
<b>Heat Capacity</b>	300.7 K, One temperature.	$C_p = 186.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K, One temperature.	$C_p = 195.76 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	86.1766		<b>Molecular Weight</b>	86.1766	
<b>Wiswesser Line Notation</b>	6H		<b>Wiswesser Line Notation</b>	6H	
<b>Evaluation</b>	C		<b>Evaluation</b>	B	

$C_6H_{14}$ (liq)		82WIL/ING	$C_6H_{14}$ (liq)		85COS/PAT
n-Hexane			n-Hexane		
<b>Heat Capacity</b>	298.15 K, One temperature.	$C_p = 195.33 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K, Temperature range 283.15, 298.15, 313.15 K.	$C_p = 194.96 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	86.1766		<b>Molecular Weight</b>	86.1766	
<b>Wiswesser Line Notation</b>	6H		<b>Wiswesser Line Notation</b>	6H	
<b>Evaluation</b>	A		<b>Evaluation</b>	B	
$C_6H_{14}$ (liq)		82ZAR	$C_6H_{14}$ (liq)		86BEN/DAR3
n-Hexane			n-Hexane		
<b>Heat Capacity</b>	298 K, Temperature range 298, 323 K.	$C_p = 195.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K, One temperature.	$C_p = 195.84 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	86.1766		<b>Molecular Weight</b>	86.1766	
<b>Wiswesser Line Notation</b>	6H		<b>Wiswesser Line Notation</b>	6H	
<b>Evaluation</b>	B		<b>Evaluation</b>	B	
$C_6H_{14}$ (liq)		83AIC/KUM	$C_6H_{14}$ (liq)		86NAZ/BAS2
n-Hexane			n-Hexane		
<b>Heat Capacity</b>	298.15 K, One temperature.	$C_p = 195.80 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	308.35 K, Temperature range 308.35, 333.15. p=0.1 MPa. Unsmoothed experimental datum given as 2.356 kJ/kg·K.	$C_p = 203.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	86.1766		<b>Molecular Weight</b>	86.1766	
<b>Wiswesser Line Notation</b>	6H		<b>Wiswesser Line Notation</b>	6H	
<b>Evaluation</b>	B		<b>Evaluation</b>	B	
$C_6H_{14}$ (liq)		83BEN/DAR	$C_6H_{14}$ (liq)		86TAR/AIC
n-Hexane			n-Hexane		
<b>Heat Capacity</b>	298.15 K, One temperature.	$C_p = 195.80 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K, One temperature.	$C_p = 197.66 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	86.1766		<b>Molecular Weight</b>	86.1766	
<b>Wiswesser Line Notation</b>	6H		<b>Wiswesser Line Notation</b>	6H	
<b>Evaluation</b>	B		<b>Evaluation</b>	B	
$C_6H_{14}$ (liq)		84BEN/DAR	$C_6H_{14}$ (liq)		88AND/PAT
n-Hexane			n-Hexane		
<b>Heat Capacity</b>	298.15 K, One temperature.	$C_p = 195.80 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K, One temperature.	$C_p = 197.66 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	86.1766		<b>Molecular Weight</b>	86.1766	
<b>Wiswesser Line Notation</b>	6H		<b>Wiswesser Line Notation</b>	6H	
<b>Evaluation</b>	B		<b>Evaluation</b>	B	
$C_6H_{14}$ (liq)		84BRA/PIN	$C_6H_{14}$ (liq)		88PER/AIC
n-Hexane			n-Hexane		
<b>Heat Capacity</b>	298.15 K, One temperature.	$C_p = 195.33 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K, One temperature.	$C_p = 197.66 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	86.1766		<b>Molecular Weight</b>	86.1766	
<b>Wiswesser Line Notation</b>	6H		<b>Wiswesser Line Notation</b>	6H	
<b>Evaluation</b>	B		<b>Evaluation</b>	A	
$C_6H_{14}$ (liq)		84GRI/AND	$C_6H_{14}$ (liq)		88SAI/TAN
n-Hexane			n-Hexane		
<b>Heat Capacity</b>	297.32 K, Temperature range 293 to 324 K. Unsmoothed experimental datum given as 2.276 kJ/kg·K.	$C_p = 196.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K, One temperature.	$C_p = 195.64 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	86.1766		<b>Molecular Weight</b>	86.1766	
<b>Wiswesser Line Notation</b>	6H		<b>Wiswesser Line Notation</b>	6H	
<b>Evaluation</b>	B		<b>Evaluation</b>	B	

$C_6H_{14}$ (liq)		89OHN/FUJ	$C_6H_{14}O$ (liq)		93GRO/ROU
n-Hexane			2,4-Dimethyl-3-oxapentane; Isopropyl ether		
<b>Heat Capacity</b>	298.15 K,	$C_p=195.52 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p=216.74 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
One temperature.			One temperature.		
<b>Molecular Weight</b>	86.1766		<b>Molecular Weight</b>	102.1760	
<b>Wiswesser Line Notation</b>	6H		<b>Wiswesser Line Notation</b>	1Y1&OY1&1	
<b>Evaluation</b>	B		<b>Evaluation</b>	B	
$C_6H_{14}$ (liq)		91PRU	$C_6H_{14}O$ (liq)		36EVA/EDL
n-Hexane			4,4-Dimethyl-3 oxapentane; tert Butyl ethyl ether		
<b>Heat Capacity</b>	298.15 K,	$C_p=265.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298 K,	$C_p=218 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b>	86.1766		One temperature.		
<b>Wiswesser Line Notation</b>	6H		<b>Molecular Weight</b>	102.1760	
<b>Evaluation</b>	A		<b>Wiswesser Line Notation</b>	2OX1&1&1	
	$C_p(\text{liq}) = 1.1999 + 4.959 \times 10^{-3}(T/K) - 1.02177 \times 10^{-5}(T/K)^2$ + 1.91869 $\times 10^{-8}(T/K)^3$ (90 to 401 K).		<b>Evaluation</b>	C	
$C_6H_{14}N_4O_2$ (c)		37HUF/ELL	$C_6H_{14}O$ (liq)		36EVA/EDL
Arginine(D)			3,3-Dimethyl-2-oxapentane; tert-Amyl methyl ether		
<b>Heat Capacity</b>	296.8 K,	$C_p=232.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298 K,	$C_p=222 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 86 to 297 K. Value is unsmoothed experimental datum.			One temperature.		
<b>Entropy</b>	298.15 K,	$S=250.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Molecular Weight</b>	102.1760	
Extrapolation below 90 K, 73.30 $\text{J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ .			<b>Wiswesser Line Notation</b>	2X1&1&O1	
<b>Molecular Weight</b>	174.2022		<b>Evaluation</b>	C	
<b>Wiswesser Line Notation</b>	QVYZ3MYZUM -D		 		
<b>Evaluation</b>	B( $C_p$ ),C(S)		 		
$C_6H_{14}N_4O_2 \cdot H_3PO_4 \cdot H_2O$ (c)		89YAN/YAN	$C_6H_{14}O$ (liq)		75AND/COU
Arginine phosphate monohydrate(L)			4-Oxaheptane; Di-n-propyl ether		
<b>Heat Capacity</b>	300 K,	$C_p=365.53 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p=221.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 290 to 350 K.			Temperature range 10 to 330 K.		
<b>Molecular Weight</b>	290.2125		<b>Entropy</b>	298.15 K,	$S=323.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Wiswesser Line Notation</b>	QVYZ3MYZUM &QPQQO &QH -L		<b>Phase Changes</b>	c,I/liq	$\Delta H=9540 \text{ J}\cdot\text{mol}^{-1}$
<b>Evaluation</b>	B			c,II/liq	$\Delta S=63.86 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
 					$\Delta H=10770 \text{ J}\cdot\text{mol}^{-1}$
$C_6H_{14}O$ (liq)		33PAR/HUF			$\Delta S=68.01 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
2,4-Dimethyl-3-oxapentane; Isopropyl ether				liq/g	$\Delta H=31274 \text{ J}\cdot\text{mol}^{-1}$
<b>Heat Capacity</b>	293.1 K,	$C_p=216.31 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			$\Delta S=86.10 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 92 to 213 K. Value is unsmoothed experimental datum.					$P=101.30 \text{ kPa}$
<b>Entropy</b>	298.1 K,	$S=294.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Molecular Weight</b>	102.1760	
Extrapolation below 90 K, 61.30 $\text{J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ .			<b>Wiswesser Line Notation</b>	3O3	
<b>Phase Changes</b>	c/liq	186.3 K,	<b>Evaluation</b>	A	
		$\Delta H=11025 \text{ J}\cdot\text{mol}^{-1}$	 		
		$\Delta S=59.18 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	 		
<b>Molecular Weight</b>	102.1760		 		
<b>Wiswesser Line Notation</b>	1Y1&OY1&1		 		
<b>Evaluation</b>	B( $C_p$ ),C(S)		 		
$C_6H_{14}O$ (liq)		74AND/COU	$C_6H_{14}O$ (liq)		83KIM/TRE
2,4-Dimethyl-3-oxapentane; Isopropyl ether			4-Oxaheptane; Di-n-propyl ether		
<b>Heat Capacity</b>	298.15 K,	$C_p=216.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p=221.45 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 10 to 340 K.			One temperature.		
<b>Entropy</b>	298.15 K,	$S=304.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Molecular Weight</b>	102.1760	
<b>Phase Changes</b>	c/liq	187.77 K,	<b>Wiswesser Line Notation</b>	3O3	
		$\Delta H=12035 \text{ J}\cdot\text{mol}^{-1}$	<b>Evaluation</b>	B	
		$\Delta S=64.09 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	 		
<b>Molecular Weight</b>	102.1760		 		
<b>Wiswesser Line Notation</b>	1Y1&OY1&1		 		
<b>Evaluation</b>	A		 		
$C_6H_{14}O$ (liq)			$C_6H_{14}O$ (liq)		85BEN/DAF
2,4-Dimethyl-3-oxapentane; Isopropyl ether			2-Ethyl-1-butanol		
<b>Heat Capacity</b>	298.15 K,	$C_p=216.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p=252.82 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 10 to 340 K.			One temperature.		
<b>Entropy</b>	298.15 K,	$S=304.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Molecular Weight</b>	102.1760	
<b>Phase Changes</b>	c/liq	187.77 K,	<b>Wiswesser Line Notation</b>	Q1Y2&2	
		$\Delta H=12035 \text{ J}\cdot\text{mol}^{-1}$	<b>Evaluation</b>	A	
		$\Delta S=64.09 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	 		
<b>Molecular Weight</b>	102.1760		 		
<b>Wiswesser Line Notation</b>	1Y1&OY1&1		 		
<b>Evaluation</b>	A		 		
$C_6H_{14}O$ (liq)			$C_6H_{14}O$ (liq)		86ORT
2-Ethyl-1-butanol			2-Ethyl-1-butanol		
<b>Heat Capacity</b>	298.15 K,	$C_p=246.65 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p=246.65 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
One temperature.					
<b>Molecular Weight</b>	102.1760		<b>Molecular Weight</b>	102.1760	
<b>Wiswesser Line Notation</b>	Q1Y2&2		<b>Wiswesser Line Notation</b>	Q1Y2&2	
<b>Evaluation</b>	B		<b>Evaluation</b>	B	

$C_6H_{14}O$ (liq) 2-Methyl-1-pentanol <b>Heat Capacity</b> 298.15 K, One temperature. <b>Molecular Weight</b> 102.1760 <b>Wiswesser Line Notation</b> Q1Y3&1 <b>Evaluation</b> B	83AIC/KUM $C_p = 248.40 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	$C_6H_{14}O$ (liq) 1-Hexanol; n-Hexyl alcohol <b>Heat Capacity</b> 293.15 K, $C_p = 236.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ Temperature range 273 to 533 K. $p=0.1 \text{ MPa}$ . Unsmoothed experimental datum at 293.15 K, $C_p = 2.315 \text{ kJ/kg} \cdot \text{K}$ . <b>Molecular Weight</b> 102.1760 <b>Wiswesser Line Notation</b> Q6 <b>Evaluation</b> B	81ARU
$C_6H_{14}O$ (liq) 2-Methyl-1-pentanol <b>Heat Capacity</b> 298.15 K, One temperature. <b>Molecular Weight</b> 102.1760 <b>Wiswesser Line Notation</b> Q1Y3&1 <b>Evaluation</b> B	84BRA/PIN $C_p = 247.63 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	$C_6H_{14}O$ (liq) 1-Hexanol; n-Hexyl alcohol <b>Heat Capacity</b> 293.15 K, $C_p = 236.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ Temperature range 293 to 393 K. $p=0.1 \text{ MPa}$ . Unsmoothed experimental datum given as 2.315 $\text{kJ/kg} \cdot \text{K}$ . $C_p$ given from 293.15 to 533.15 K for pressure range 10 to 60 MPa. <b>Molecular Weight</b> 102.1760 <b>Wiswesser Line Notation</b> Q6 <b>Evaluation</b> B	81ARU
$C_6H_{14}O$ (liq) 2-Methyl-1-pentanol <b>Heat Capacity</b> 298.15 K, One temperature. <b>Molecular Weight</b> 102.1760 <b>Wiswesser Line Notation</b> Q1Y3&1 <b>Evaluation</b> B	85BEN/DAR $C_p = 249.21 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	$C_6H_{14}O$ (liq) 1-Hexanol; n-Hexyl alcohol <b>Heat Capacity</b> 298.15 K, $C_p = 240.65 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ One temperature. <b>Molecular Weight</b> 102.1760 <b>Wiswesser Line Notation</b> Q6 <b>Evaluation</b> B	83BEN/DAR
$C_6H_{14}O$ (liq) 3,3-Dimethyl-1-butanol <b>Heat Capacity</b> 298.15 K, One temperature. <b>Molecular Weight</b> 102.1760 <b>Wiswesser Line Notation</b> Q2X1&1&1 <b>Evaluation</b> B	86BEN/KUM $C_p = 236.08 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	$C_6H_{14}O$ (liq) 1-Hexanol; n-Hexyl alcohol <b>Heat Capacity</b> 298.15 K, $C_p = 239.62 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ One temperature. <b>Molecular Weight</b> 102.1760 <b>Wiswesser Line Notation</b> Q6 <b>Evaluation</b> B	84BRA/PIN
$C_6H_{14}O$ (liq) 1-Hexanol; n-Hexyl alcohol <b>Heat Capacity</b> 290.01 K, Temperature range 16 to 298 K. Value is unsmoothed experimental datum. <b>Entropy</b> 298.15 K, <b>Phase Changes</b> c/liq 225.8 K, <b>Molecular Weight</b> 102.1760 <b>Wiswesser Line Notation</b> Q6 <b>Evaluation</b> B	29KEL2 $C_p = 232.46 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ $S = 287.4 \text{ J mol}^{-1} \text{ K}^{-1}$ $\Delta H = 15380 \text{ J mol}^{-1}$ $\Delta S = 68.11 \text{ J mol}^{-1} \text{ K}^{-1}$	$C_6H_{14}O$ (liq) 1-Hexanol; n-Hexyl alcohol <b>Heat Capacity</b> 300.607 K, Temperature range 230 to 300 K. Value is unsmoothed experimental datum. <b>Molecular Weight</b> 102.1760 <b>Wiswesser Line Notation</b> Q6 <b>Evaluation</b> B	84KAL/WOY
$C_6H_{14}O$ (liq) 1-Hexanol; n-Hexyl alcohol <b>Heat Capacity</b> 298 K, One temperature. <b>Molecular Weight</b> 102.1760 <b>Wiswesser Line Notation</b> Q6 <b>Evaluation</b> C	59HUT/BAI $C_p = 244.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	$C_6H_{14}O$ (liq) 1-Hexanol; n-Hexyl alcohol <b>Heat Capacity</b> 298.15 K, $C_p = 241.32 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ <b>Molecular Weight</b> 102.1760 <b>Wiswesser Line Notation</b> Q6 <b>Evaluation</b> C	84ZEG/SOM
$C_6H_{14}O$ (liq) 1-Hexanol; n-Hexyl alcohol <b>Heat Capacity</b> 303.74 K, Temperature range 303 to 462 K. $p=0.98 \text{ bar}$ . <b>Molecular Weight</b> 102.1760 <b>Wiswesser Line Notation</b> Q6 <b>Evaluation</b> B	79GRJ/YAN $C_p = 247.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	$C_6H_{14}O$ (liq) 1-Hexanol; n-Hexyl alcohol <b>Heat Capacity</b> 298.15 K, $C_p = 239.68 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ Temperature range 283.15, 298.15, 313.15 K. <b>Molecular Weight</b> 102.1760 <b>Wiswesser Line Notation</b> Q6 <b>Evaluation</b> B	85COS/PAT

$C_6H_{14}O$ (liq) 1-Hexanol; n-Hexyl alcohol <b>Heat Capacity</b> 298.15 K, One temperature. <b>Molecular Weight</b> 102.1760 <b>Wiswesser Line Notation</b> Q6 <b>Evaluation</b> B	86ORT $C_p = 237.85 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	$C_6H_{14}O$ (liq) 3-Methyl-3-pentanol <b>Heat Capacity</b> 298.15 K, One temperature. <b>Molecular Weight</b> 102.1760 <b>Wiswesser Line Notation</b> QX2&2&1 <b>Evaluation</b> B	84BRA/PIN $C_p = 293.38 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
$C_6H_{14}O$ (liq) 1-Hexanol; n-Hexyl alcohol <b>Heat Capacity</b> 298.15 K, One temperature. <b>Molecular Weight</b> 102.1760 <b>Wiswesser Line Notation</b> Q6 <b>Evaluation</b> A	86TAN/TOY $C_p = 240.57 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	$C_6H_{14}O$ (liq) 3-Methyl-3-pentanol <b>Heat Capacity</b> 298.15 K, One temperature. <b>Molecular Weight</b> 102.1760 <b>Wiswesser Line Notation</b> QX2&2&1 <b>Evaluation</b> B	88CAC/COS $C_p = 302.25 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
$C_6H_{14}O$ (liq) 1-Hexanol; n-Hexyl alcohol <b>Heat Capacity</b> 298.15 K, One temperature. <b>Molecular Weight</b> 102.1760 <b>Wiswesser Line Notation</b> Q6 <b>Evaluation</b> B	88AND/PAT $C_p = 241.32 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	$C_6H_{14}O$ (liq) 4-Methyl-2-pentanol <b>Heat Capacity</b> 298.15 K, One temperature. <b>Molecular Weight</b> 102.1760 <b>Wiswesser Line Notation</b> QY1&1Y1&1 <b>Evaluation</b> B	84BRA/PIN $C_p = 273.01 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
$C_6H_{14}O$ (liq) 1-Hexanol; n-Hexyl alcohol <b>Heat Capacity</b> 298.15 K, One temperature. <b>Molecular Weight</b> 102.1760 <b>Wiswesser Line Notation</b> Q6 <b>Evaluation</b> A	89VES/BAR $C_p = 242.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ Temperature range 298.15 to 318.15 K.	$C_6H_{14}O$ (liq) 4-Methyl-2-pentanol <b>Heat Capacity</b> 298.15 K, One temperature. <b>Molecular Weight</b> 102.1760 <b>Wiswesser Line Notation</b> QY1&1Y1&1 <b>Evaluation</b> B	86ORT $C_p = 272.34 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
$C_6H_{14}O$ (liq) 1-Hexanol; n-Hexyl alcohol <b>Heat Capacity</b> 298.15 K, Temperature range 227 to 363 K. $C_p(\text{liq}) = 2.37095 - 0.0851173(T/100) - 0.195794(T/100)^2 - 0.00639224(T/100)^3 + 0.0530459(T/100)^4 - 0.00859433(T/100)^5 \text{ kJ/kg} \cdot \text{K}$ <b>Molecular Weight</b> 102.1760 <b>Wiswesser Line Notation</b> Q6 <b>Evaluation</b> B	91ATR/NES $C_p = 243.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ Temperature range 227 to 363 K. $C_p(\text{liq}) = 2.37095 - 0.0851173(T/100) - 0.195794(T/100)^2 - 0.00639224(T/100)^3 + 0.0530459(T/100)^4 - 0.00859433(T/100)^5 \text{ kJ/kg} \cdot \text{K}$	$C_6H_{14}O$ (liq) 2-Hexanol <b>Heat Capacity</b> 298.15 K, One temperature. <b>Molecular Weight</b> 102.1760 <b>Wiswesser Line Notation</b> QY1&4 <b>Evaluation</b> B	86ORT $C_p = 260.34 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
$C_6H_{14}O$ (liq) 2-Methyl-2-pentanol <b>Heat Capacity</b> 298.15 K, One temperature. <b>Molecular Weight</b> 102.1760 <b>Wiswesser Line Notation</b> QX1&1&3 <b>Evaluation</b> B	86ORT $C_p = 289.03 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	$C_6H_{14}O$ (liq) 2-Hexanol <b>Heat Capacity</b> 298.15 K, One temperature. <b>Molecular Weight</b> 102.1760 <b>Wiswesser Line Notation</b> QY1&4 <b>Evaluation</b> B	88TAN/LUO $C_p = 256.31 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
$C_6H_{14}O$ (liq) 3-Methyl-3-pentanol <b>Heat Capacity</b> 298.15 K, One temperature. <b>Molecular Weight</b> 102.1760 <b>Wiswesser Line Notation</b> QX2&2&1 <b>Evaluation</b> B	86ORT $C_p = 293.83 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	$C_6H_{14}O$ (liq) 3-Methyl-2-pentanol <b>Heat Capacity</b> 298.15 K, One temperature. <b>Molecular Weight</b> 102.1760 <b>Wiswesser Line Notation</b> QY1&Y2&1 <b>Evaluation</b> B	84BRA/PIN $C_p = 275.89 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
$C_6H_{14}O$ (liq) 3-Hexanol <b>Heat Capacity</b> 298 K, One temperature. <b>Molecular Weight</b> 102.1760 <b>Wiswesser Line Notation</b> QY3&2&1 <b>Evaluation</b> B	86ORT $C_p = 286.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	$C_6H_{14}O$ (liq) 3-Hexanol <b>Heat Capacity</b> 298 K, One temperature. <b>Molecular Weight</b> 102.1760 <b>Wiswesser Line Notation</b> QY3&2&1 <b>Evaluation</b> B	76CON/GIN $C_p = 286.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$

$C_6H_{14}O$ (liq)		88TAN/LUO	$C_6H_{14}O_2$ (liq)		78ROU/PER
3-Hexanol			2-n-Butoxy-1-ethanol; Butylglycol; 2-n-Butoxyethanol;		
<b>Heat Capacity</b>	298.15 K,	$C_p=269.27 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	3-Oxa-1-heptanol		
One temperature.			<b>Heat Capacity</b>	298.15 K,	$C_p=270.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b>	102.1760		Temperatures 278.15, 283.15, 298.15, 313.15, 328.15 K.		
Wiswesser Line Notation	QY3&2		<b>Molecular Weight</b>	118.1754	
Evaluation	B		Wiswesser Line Notation	Q2O4	
			Evaluation	C	
$C_6H_{14}O_2$ (liq)		73KUS/SUU	$C_6H_{14}O_2$ (liq)		72GAR/HUS
3,6-Dioxaoctane; 1,2-Diethoxyethane			1,6-Hexanediol		
<b>Heat Capacity</b>	298.15 K,	$C_p=259.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Phase Changes</b>		
One temperature.			c/liq	320.6 K,	$\Delta H=25522 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=79.61 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b>	118.1754		<b>Molecular Weight</b>	118.1754	
Wiswesser Line Notation	2O2O2		Wiswesser Line Notation	Q6Q	
Evaluation	B		Evaluation	A	
$C_6H_{14}O_2$ (liq)		82VIL/CAS	$C_6H_{14}O_2$ (c)		92STE/CHI
3,6-Dioxaoctane; 1,2-Diethoxyethane			1,6 Hexanediol		
<b>Heat Capacity</b>	298.15 K,	$C_p=261.08 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p=202.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
One temperature.			Temperature range 268 to 413 K. C/R(c)=0.128T-13.72 (268 to 315 K); C/R(liq)=0.1123T-1.91 (315 to 413 K), R=8.31451 J/K·mol.		
<b>Molecular Weight</b>	118.1754		<b>Phase Changes</b>		
Wiswesser Line Notation	2O202		c/liq	315 K,	$\Delta H=22600 \text{ J}\cdot\text{mol}^{-1}$
Evaluation	B		<b>Molecular Weight</b>	118.1754	
			Wiswesser Line Notation	Q6Q	
			Evaluation	A	
$C_6H_{14}O_2$ (liq)		1881REI	$C_6H_{14}O_3$ (liq)		66BEA/CLE
4-Methyl-3,5-dioxaheptane; Acetal; 1,1-Diethoxyethane			2,5,8-Trioxanone; Diglyme		
<b>Heat Capacity</b>	298 K,	$C_p=237.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p=274.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 289 to 382 K.			Temperature range 90 to 350 K.		
<b>Molecular Weight</b>	118.1754		<b>Entropy</b>	298.15 K,	$S=352.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Wiswesser Line Notation	2OY1&O2		Extrapolation below 90 K, 79.91 J·mol⁻¹·K⁻¹.		
Evaluation	D		<b>Phase Changes</b>		
			c/liq	209.1 K,	$\Delta H=17795 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=85.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
$C_6H_{14}O_2$ (liq)		73KUS/SUU	<b>Molecular Weight</b>	134.1748	
2,5-Dioxaoctane; 1-n-Propoxy-2-methoxyethane			Wiswesser Line Notation	1O2O2O1	
<b>Heat Capacity</b>	298.15 K,	$C_p=248.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	Evaluation	A( $C_p$ ),C(S)	
One temperature.					
<b>Molecular Weight</b>	118.1754				
Wiswesser Line Notation	3O2O1				
Evaluation	B				
$C_6H_{14}O_2$ (liq)		59UNK	$C_6H_{14}O_3$ (liq)		82VIL/CAS
2-n-Butoxy-1-ethanol; Butylglycol; 2-n-Butoxyethanol;			2,5,8-Trioxanone; Diglyme		
3-Oxa-1-heptanol			<b>Heat Capacity</b>	298.15 K,	$C_p=279.84 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Heat Capacity</b>	298.15 K,	$C_p=273.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	One temperature.		
Temperature range 298 to 373 K. $C_p$ given as 65.33 cal·mol⁻¹·K⁻¹.			<b>Molecular Weight</b>	134.1748	
<b>Molecular Weight</b>	118.1754		Wiswesser Line Notation	1O2O2O1	
Wiswesser Line Notation	Q2O4		Evaluation	B	
Evaluation	C				
$C_6H_{14}O_2$ (liq)		73KUS/SUU	$C_6H_{14}O_3$ (liq)		82ZAR
2-n-Butoxy-1-ethanol; Butylglycol; 2-n-Butoxyethanol;			Dipropylene glycol		
3-Oxa-1-heptanol			<b>Heat Capacity</b>	298 K,	$C_p=322.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Heat Capacity</b>	298.15 K,	$C_p=273.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	Temperature range 298, 323, 363 K.		
One temperature.			<b>Molecular Weight</b>	134.1748	
<b>Molecular Weight</b>	118.1754		Wiswesser Line Notation	QY1&1O1YQ&1	
Wiswesser Line Notation	Q2O4		Evaluation	B	
Evaluation	B				

$C_6H_{14}O_3$ (c)	89ZHA/YAN	$C_6H_{14}O_6$ (c)	82LIA/CHE
1,1,1-Trihydroxymethylpropane; 2-Ethyl-2-(hydroxymethyl) -1,3-propanediol		Mannitol(D)	
<b>Heat Capacity</b> 301.29 K	$C_p = 213.79 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p = 239.00 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 270 to 354 K; value is unsmoothed experimental datum.		One temperature.	
<b>Phase Changes</b>		<b>Molecular Weight</b> 182.1730	
c/liq	333.40 K	Wiswesser Line Notation Q1YQYQYQYQ1Q -DDLL -D	
		Evaluation B	
<b>Molecular Weight</b> 134.1748		$C_6H_{14}O_6$ (c)	03MAG
Wiswesser Line Notation Q1X1Q1Q2		Dulcite; Dulcitol; Galactitol	
Evaluation A		<b>Heat Capacity</b> 298 K,	$C_p = 215.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
		One temperature. $C_p$ given as 0.283 cal $\cdot g^{-1} \cdot K^{-1}$ .	
$C_6H_{14}O_3$ (liq)	91TRE/COS	<b>Molecular Weight</b> 182.1730	
2,5,8-Trioxanonane; Diglyme		Wiswesser Line Notation Q1YQYQYQYQ1Q -DLLD	
<b>Heat Capacity</b> 298.15 K,	$C_p = 277.76 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Evaluation D	
One temperature.		$C_6H_{14}O_6$ (c)	26PAR/HUE
<b>Molecular Weight</b> 134.1748		Dulcite; Dulcitol; Galactitol	
Wiswesser Line Notation 1O2O2O1		<b>Heat Capacity</b> 292.8 K,	$C_p = 238.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Evaluation B		Temperature range 88 to 293 K. Value is unsmoothed experimental datum.	
$C_6H_{14}O_4$ (liq)	79STE/TAM	<b>Entropy</b> 298.1 K,	$S = 247.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
1,8-Dihydroxy-3,6-dioxaoctane; Triethylene glycol		Extrapolation below 90 K, 73.35 J $\cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .	
<b>Heat Capacity</b> 298 K,	$C_p = 327.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b> 182.1730	
Temperature range 273 to 533 K. Temperature range 298, 323, 363 K.		Wiswesser Line Notation Q1YQYQYQYQ1Q -DLLD	
<b>Molecular Weight</b> 150.1742		Evaluation B( $C_p$ ),C(S)	
Wiswesser Line Notation Q2O2O2Q		Meso form.	
Evaluation B		$C_6H_{14}O_6$ (c)	29PAR/KEI
$C_6H_{14}O_4$ (liq)	82ZAR	Dulcite; Dulcitol; Galactitol	
1,8-Dihydroxy-3,6-dioxaoctane; Triethylene glycol		<b>Entropy</b> 298.1 K,	$S = 234.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Heat Capacity</b> 298 K,	$C_p = 333.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Extrapolation below 90 K, 60.25 J $\cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ . Revision o previous data.	
<b>Molecular Weight</b> 150.1742		<b>Molecular Weight</b> 182.1730	
Wiswesser Line Notation Q2O2O2Q		Wiswesser Line Notation Q1YQYQYQYQ1Q -DLLD	
Evaluation B		Evaluation C	
		Meso form.	
$C_6H_{14}O_6$ (c)	82LIA/CHE	$C_6H_{14}O_6$ (c)	90BAR/DEI
Sorbitol(D)		Dulcite; Dulcitol; Galactitol	
<b>Heat Capacity</b> 298.15 K,	$C_p = 241.43 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Phase Changes</b>	
One temperature.		c/liq	460.3 K.
<b>Molecular Weight</b> 182.1730		$\Delta H = 65100 \text{ J} \cdot \text{mol}^{-1}$	
Wiswesser Line Notation Q1YQYQ 2 -BBAA		$\Delta S = 141.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Evaluation B		<b>Molecular Weight</b> 182.1730	
		Wiswesser Line Notation Q1YQYQYQYQ1Q -DLLD	
$C_6H_{14}O_6$ (c)	90BAR/DEL	Evaluation A	
Sorbitol(D)		$C_6H_{14}O_6$ (c)	32SPA/THC
<b>Phase Changes</b>		Mannitol	
c/liq	366.5 K,	<b>Heat Capacity</b> 303 K,	$C_p = 244.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
		Temperature range 30 to 200 °C.	
<b>Molecular Weight</b> 182.1730		<b>Phase Changes</b>	
Wiswesser Line Notation Q1YQYQ 2 -BBAA		c/liq	433.2 K,
Evaluation A		$\Delta H = 53580 \text{ J} \cdot \text{mol}^{-1}$	
		$\Delta S = 123.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
$C_6H_{14}O_6$ (c)	03MAG	<b>Molecular Weight</b> 182.1730	
Mannitol		Wiswesser Line Notation Q1YQYQYQYQ1Q -DDLL	
<b>Heat Capacity</b> 298 K,	$C_p = 240.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Evaluation B	
One temperature. $C_p$ given as 0.315 cal $\cdot g^{-1} \cdot K^{-1}$ .		$C_6H_{14}O_6$ (c)	
<b>Molecular Weight</b> 182.1730		Mannitol(D)	
Wiswesser Line Notation Q1YQYQYQYQ1Q -DDLL -D		<b>Heat Capacity</b> 298.15 K,	$C_p = 239.00 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Evaluation D		One temperature.	

<b>C<sub>6</sub>H<sub>14</sub>O<sub>6</sub></b> (c) Mannitol(D)	26PAR/AND	<b>C<sub>6</sub>H<sub>14</sub>S</b> (liq) 1-Hexanethiol; n-Hexyl mercaptan	70FIN/MCC
<b>Heat Capacity</b> 294.1 K, $C_p=236.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Temperature range 88 to 294 K. Value is unsmoothed experimental datum.		<b>Heat Capacity</b> 298.15 K, Temperature range 10 to 370 K.	$C_p=230.71 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Entropy</b> 298 K, $S=253.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Extrapolation below 90 K, 78.66 $\text{J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ .		<b>Entropy</b> 298.15 K,	$S=343.21 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b> 182.1730 <b>Wiswesser Line Notation</b> Q1YQYQYQQ1Q -DDLL -D <b>Evaluation</b> B( $C_p$ ),C(S)		<b>Phase Changes</b> c/liq	$\Delta H=18012 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=93.51 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>C<sub>6</sub>H<sub>14</sub>O<sub>6</sub></b> (c) Mannitol(D)	29PAR/KEL	<b>Molecular Weight</b> 118.2366 <b>Wiswesser Line Notation</b> SH6	
<b>Entropy</b> 298.1 K, $S=238.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Extrapolation below 90 K, 64.02 $\text{J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ . Revision of previous data.		<b>Evaluation</b> A	
<b>Molecular Weight</b> 182.1730 <b>Wiswesser Line Notation</b> Q1YQYQYQQ1Q -DDLL -D <b>Evaluation</b> C			
<b>C<sub>6</sub>H<sub>14</sub>O<sub>6</sub></b> (c) Mannitol(D)	90BAR/DEL	<b>C<sub>6</sub>H<sub>14</sub>S</b> (liq) 4,5-Dithiaoctane; Dipropyl disulfide	58HUB/DOU
<b>Phase Changes</b> c/liq	439.1 K, $\Delta H=56100 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=127.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K, Temperature range 10 to 360 K.	$C_p=262.46 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b> 182.1730 <b>Wiswesser Line Notation</b> Q1YQYQYQQ1Q -BAA -D <b>Evaluation</b> A		<b>Entropy</b> 298.15 K,	$S=373.55 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>C<sub>6</sub>H<sub>14</sub>S</b> (liq) 2,4-Dimethyl-3-thiapentane; Diisopropyl sulfide	67MES/TOD	<b>Phase Changes</b> c/liq	$\Delta H=13807 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=73.57 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Heat Capacity</b> 298.15 K, $C_p=232.00 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Temperature range 10 to 390 K.		<b>Molecular Weight</b> 150.2966 <b>Wiswesser Line Notation</b> 3SS3	
<b>Entropy</b> 298.15 K, $S=313.05 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ <b>Phase Changes</b> c/liq	195.07 K, $\Delta H=10414 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=53.39 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Evaluation</b> A	
<b>Molecular Weight</b> 118.2366 <b>Wiswesser Line Notation</b> 1Y1&SY1&1 <b>Evaluation</b> A			
<b>C<sub>6</sub>H<sub>14</sub>S</b> (liq) 4-Thiaheptane; Dipropyl sulfide	61MCC/FIN	<b>C<sub>6</sub>H<sub>15</sub>Al</b> (liq) Triethylaluminum	84SHE/NIS
<b>Heat Capacity</b> 298.15 K, Temperature range 11 to 370 K.	$C_p=225.48 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K, Temperature range 5 to 300 K.	$C_p=239.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Entropy</b> 298.15 K, <b>Phase Changes</b> c/liq	298.15 K, $S=338.28 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ 170.44 K, $\Delta H=12142 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=71.24 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Entropy</b> 298.15 K, Temperature range 5 to 313 K.	$S=307.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b> 118.2366 <b>Wiswesser Line Notation</b> 3S3 <b>Evaluation</b> A		<b>Phase Changes</b> c/liq	$\Delta H=10600 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=47.11 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>C<sub>6</sub>H<sub>14</sub>S</b> (liq) 1-Hexanethiol; n-Hexyl mercaptan	66GOO/DEP	<b>Molecular Weight</b> 114.1660 <b>Wiswesser Line Notation</b> 2-AL-2&2 <b>Evaluation</b> A	
<b>Heat Capacity</b> 298.15 K, One temperature.	$C_p=230.68 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>C<sub>6</sub>H<sub>15</sub>Al</b> (liq) Triethylaluminum	89RAB/NIS
<b>Molecular Weight</b> 118.2366 <b>Wiswesser Line Notation</b> SH6 <b>Evaluation</b> A		<b>Heat Capacity</b> 298.15 K, Temperature range 5 to 313 K.	$C_p=239.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
		<b>Entropy</b> 298.15 K,	$S=308.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
		<b>Phase Changes</b> c/liq	$\Delta H=10600 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=47.11 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
		<b>Molecular Weight</b> 114.1660 <b>Wiswesser Line Notation</b> 2-AL-2&2 <b>Evaluation</b> A	

$C_6H_{15}As$ (liq)		72MAS/FAM	$C_6H_{15}ErO_{12}S_3 \cdot 9H_2O$ (c)	62GER/PEN
Triethylarsine			Erbium ethylsulfate nonahydrate	
<b>Heat Capacity</b>	298.15 K, Temperature range 60 to 300 K.	$C_p = 234.30 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K, Temperature range 12 to 300 K.
<b>Phase Changes</b>			<b>Entropy</b>	298.15 K,
c/liq	181.8 K,	$\Delta H = 11058 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 60.83 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b>	704.7541
<b>Molecular Weight</b>	162.1061		<b>Wiswesser Line Notation</b>	WSO2&O 3 .ER &QH 9
<b>Wiswesser Line Notation</b>	2-AS-2&2		<b>Evaluation</b>	A
<b>Evaluation</b>	B			
$C_6H_{15}B$ (c)		55FUR	$C_6H_{15}Ga$ (liq)	72MAS/FAM
Triethylboron			Triethylgallium; Gallium triethyl	
<b>Heat Capacity</b>	300 K, Temperature range 15 to 300 K.	$C_p = 241.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K, Temperature range 60 to 300 K.
<b>Entropy</b>	300 K, Below 15°. Debye extrapolation.	$S = 338.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Phase Changes</b>	
<b>Phase Changes</b>			c/liq	193.5 K,
c/I/liq	180.3 K,	$\Delta H = 11853 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 65.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	$\Delta H = 11644 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 60.18 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
liq/g	300 K,	$\Delta H = 3669 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 122 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ $P = 56.27 \text{ mmHg}$		
<b>Molecular Weight</b>	97.9945			
<b>Wiswesser Line Notation</b>	2B2&2			
<b>Evaluation</b>	B			
$C_6H_{15}B$ (c)		77KOS/SAM	$C_6H_{15}In$ (liq)	73MAS/NOV
Triethylboron			Triethylindium	
<b>Heat Capacity</b>	298.15 K, Temperature range 12 to 322 K. Data calculated from equation. $C_p = 6.2328 + 0.17161 T \text{ cal} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	$C_p = 240 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K, Temperature range 60 to 300 K.
<b>Entropy</b>	298.15 K,	$S = 330.05 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Phase Changes</b>	
<b>Phase Changes</b>			c/liq	237.6 K,
c/liq	180.21 K,	$\Delta H = 11522 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 63.94 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	$\Delta H = 13012 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 54.77 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
liq/g	321.81 K			
<b>Molecular Weight</b>	97.9945			
<b>Wiswesser Line Notation</b>	2B2&2			
<b>Evaluation</b>	B			
$C_6H_{15}Bi$ (liq)		89NIS/RAB	$C_6H_{15}LuO_{12}S_3 \cdot 9H_2O$ (c)	60GER/SPE
Triethylbismuth			Lutetium ethylsulfate nonahydrate	
<b>Heat Capacity</b>	298.15 K, Temperature range 5 to 330 K. $C_p$ data also given for the glassy state (0–94.8 K) and the supercooled liquid (94.8–145.8 K). T(glass)=94.8 K.	$C_p = 242.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	295 K, Temperature range 5 to 295 K.
<b>Entropy</b>	298.15 K.	$S = 379.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b>	712.4611
<b>Phase Changes</b>			<b>Wiswesser Line Notation</b>	WSO2&O 3 .LU &QH 9
c/liq	145.80 K,	$\Delta H = 8695 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 59.64 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Evaluation</b>	A
<b>Molecular Weight</b>	296.1649			
<b>Wiswesser Line Notation</b>	2-BI-2&2			
<b>Evaluation</b>	A			
$C_6H_{15}ClN_4O_2$ (c)		63COL/HUT2	$C_6H_{15}N$ (liq)	1881RE
Arginine hydrochloride(L)			Triethylamine	
<b>Heat Capacity</b>	298.15 K, Temperature range 11 to 305 K.	$C_p = 260.96 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298 K,
<b>Entropy</b>	298.15 K,	$S = 286.31 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Temperature range</b>	293 to 378 K.
<b>Molecular Weight</b>	210.6631		<b>Molecular Weight</b>	101.1912
<b>Wiswesser Line Notation</b>	QVYZ3MYZUM &GH -L		<b>Wiswesser Line Notation</b>	2N2&2
<b>Evaluation</b>	A		<b>Evaluation</b>	D
$C_6H_{15}N$ (liq)		85HEP/KOC	$C_6H_{15}N$ (liq)	
Triethylamine			Triethylamine	
<b>Heat Capacity</b>	298.15 K,		<b>Heat Capacity</b>	298.15 K,
	One temperature.		<b>Molecular Weight</b>	101.1912
			<b>Wiswesser Line Notation</b>	2N2&2
			<b>Evaluation</b>	B
$C_6H_{15}N$ (liq)		93GRO/ROL	$C_6H_{15}N$ (liq)	
Triethylamine			Triethylamine	
<b>Heat Capacity</b>	298.15 K,		<b>Heat Capacity</b>	298.15 K,
	One temperature.		<b>Molecular Weight</b>	101.1912
			<b>Wiswesser Line Notation</b>	2N2&2
			<b>Evaluation</b>	B

$C_6H_{15}N$ (liq)	01KAH	$C_6H_{16}N_4O_6$ (c)	85NUR/BER
Dipropylamine		Triacetamide nitrate	
<b>Heat Capacity</b>	$C_p=252.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	$298.15 \text{ K}, C_p=383.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 294.15 to 403.15 K. Heat capacity is an average value over the temperature range.		Temperature range 60 to 330 K.	
<b>Molecular Weight</b>	101.1912	<b>Entropy</b>	$298.15 \text{ K}, S=443.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Wiswesser Line Notation</b>	3M3	<b>Phase Changes</b>	
<b>Evaluation</b>	D	c/liq	337 K
$C_6H_{15}N$ (liq)	71KON/WAD	<b>Molecular Weight</b>	240.2156
1-Aminoheptane; n-Hexylamine		<b>Wiswesser Line Notation</b>	ZV1 3 &WNQ
<b>Heat Capacity</b>	$298.15 \text{ K}, C_p=252 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Evaluation</b>	A
One temperature.			
<b>Molecular Weight</b>	101.1912		
<b>Wiswesser Line Notation</b>	Z6		
<b>Evaluation</b>	B		
$C_6H_{15}N_3$ (liq)	88BOB/KAM	$C_6H_{16}Si_2$ (liq)	73DZH/GUS
N-(2-Aminoethyl)piperazine		Tetramethyldisiletan; Tetramethyldisilacyclobutane;	
<b>Heat Capacity</b>	$333 \text{ K}, C_p=284 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	1,1,3,3-Tetramethyl-1,3-disilacyclobutane	
Temperature range 333 to 473 K.		<b>Heat Capacity</b>	
<b>Molecular Weight</b>	129.2046	Temperature range 12 to 300 K. $C_p$ data only in complete paper deposited at VINITI, No. 5024-72, 3 Nov 1972.	
<b>Wiswesser Line Notation</b>	T6M DNTJ D2Z	<b>Entropy</b>	$298.15 \text{ K}, S=296.27 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Evaluation</b>	D	<b>Phase Changes</b>	
$C_6H_{15}NO_3$ (liq)	82MIN/SAB	c/liq	$266.02 \text{ K}, \Delta H=10259 \text{ J}\cdot\text{mol}^{-1}$
Triethanolamine			$\Delta S=38.56 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Heat Capacity</b>	$298.15 \text{ K}, C_p=389 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Molecular Weight</b>	144.3634
One temperature. $C_p$ given as $2.6 \text{ J}\cdot\text{K}^{-1}\cdot\text{g}^{-1}$ .		<b>Wiswesser Line Notation</b>	T4-SI-C-SI-TJ A1 A1 C1 C1
<b>Molecular Weight</b>	149.1894	<b>Evaluation</b>	B
<b>Wiswesser Line Notation</b>	Q2N2Q2Q		
<b>Evaluation</b>	C		
$C_6H_{15}O_{12}S_2Y\cdot9H_2O$ (c)	62GER/PEN	$C_6H_{16}Si_2$ (c)	75GUS/KAR
Yttrium ethylsulfate nonahydrate		Tetramethyldisiletan; Tetramethyldisilacyclobutane;	
<b>Heat Capacity</b>	$298.15 \text{ K}, C_p=799.40 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	1,1,3,3-Tetramethyl-1,3-disilacyclobutane	
Temperature range 13 to 300 K.		<b>Heat Capacity</b>	$298.15 \text{ K}, C_p=216.94 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Entropy</b>	$298.15 \text{ K}, S=853.84 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	Temperature range 10 to 300 K. Data given graphically.	
<b>Molecular Weight</b>	626.4000	<b>Entropy</b>	$298.15 \text{ K}, S=296.27 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Wiswesser Line Notation</b>	WSO2&O 3 .Y &QH 9	<b>Phase Changes</b>	
<b>Evaluation</b>	A	c/liq	$266.02 \text{ K}, \Delta H=10259 \text{ J}\cdot\text{mol}^{-1}$
			$\Delta S=38.58 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
$C_6H_{15}Sb$ (liq)	73MAS/NOV	liq/g	$390.93 \text{ K}, \Delta H=39480 \text{ J}\cdot\text{mol}^{-1}$
Triethylstibine; Triethylantimony			$\Delta S=91.34 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Heat Capacity</b>	$298.15 \text{ K}, C_p=242.25 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Molecular Weight</b>	144.3634
Temperature range 60 to 300 K.		<b>Wiswesser Line Notation</b>	T4-SI-TJ A1 A1 C1 C1
<b>Phase Changes</b>		<b>Evaluation</b>	B
c/liq	$153.9 \text{ K}, \Delta H=9452 \text{ J}\cdot\text{mol}^{-1}$		
	$\Delta S=61.42 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		
<b>Molecular Weight</b>	208.9345	$C_6H_{17}BeF_4N_3O_6$ (c)	79LOI/OSB
<b>Wiswesser Line Notation</b>	2-SB-2&2	Triglycine fluoroberyllate	
<b>Evaluation</b>	B	<b>Heat Capacity</b>	$300 \text{ K}, C_p=412.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
$C_6H_{16}CdCl_4N_2$ (c)	82WHI/STA	Temperature range 294 to 340 K. $C_p$ given as $0.316 \text{ cal}\cdot\text{g}^{-1}\cdot\text{K}^{-1}$ .	
Tetrachlorobis-(2-propeneammonium) cadmium II		<b>Molecular Weight</b>	312.2226
<b>Heat Capacity</b>	$298.15 \text{ K}, C_p=362.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Wiswesser Line Notation</b>	Z1VQ 3 &H2 .BE F4
Temperature range 10 to 300 K.		<b>Evaluation</b>	B
<b>Entropy</b>	$298.15 \text{ K}, S=497.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	$C_6H_{17}BeF_4N_3O_6$ (c)	81LOI/KOS
<b>Phase Changes</b>		Triglycine fluoroberyllate	
c.III/c.II	$206.9 \text{ K}, \Delta H=2140 \text{ J}\cdot\text{mol}^{-1}$	<b>Heat Capacity</b>	$308 \text{ K}, C_p=444 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
	$\Delta S=7.87 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	One temperature. $C_p(35^\circ\text{C})=0.34 \text{ cal}\cdot\text{g}^{-1}\cdot\text{C}^{-1}$ .	
c.II/c.I	$266.7 \text{ K}, \Delta H=2000 \text{ J}\cdot\text{mol}^{-1}$	<b>Molecular Weight</b>	312.2226
	$\Delta S=7.87 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Wiswesser Line Notation</b>	Z1VQ 3 &H2 .BE F4
<b>Molecular Weight</b>	370.4278	<b>Evaluation</b>	B
<b>Wiswesser Line Notation</b>	Z2U1 2 -CD- G4	$C_6H_{17}BeF_4N_3O_6$ (c)	81LOI/KOS2
<b>Evaluation</b>	A	Triglycine fluoroberyllate	
		<b>Phase Changes</b>	
		c.II/c.I	$345 \text{ K}, \Delta H=1254 \text{ J}\cdot\text{mol}^{-1}$
			$\Delta S=3.63 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
			Ferroelectric transition.
		<b>Molecular Weight</b>	312.2226
		<b>Wiswesser Line Notation</b>	Z1VQ 3 &H2 .BE F4
		<b>Evaluation</b>	C

$C_6H_{17}N_3O_{10}S$ (c,II)	68AGU/TEL	$C_6H_{18}BN$ (liq)	67SMI/GOO
Triglycine sulfate		Triethylamineborane	
<b>Heat Capacity</b>		<b>Heat Capacity</b>	
$C_p$ data only graphically. Temperature range 12 to 60 °C.		298.15 K, $C_p=256.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Phase Changes</b>		One temperature.	
c,II/c,I	322 K,	<b>Molecular Weight</b> 115.0249	
	$\Delta H=1079 \text{ J}\cdot\text{mol}^{-1}$	<b>Wiswesser Line Notation</b> 2N2&2 &BHHH	
	$\Delta S=3.26 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Evaluation</b> B	
<b>Molecular Weight</b> 323.2804			
<b>Wiswesser Line Notation</b> Z1VQ 3 &WSQQ			
<b>Evaluation</b>	C		
$C_6H_{17}N_3O_{10}S$ (c)	75CAM/GON	$C_6H_{18}BN$ (liq)	70FIN/TOD
Triglycine sulfate		Triethylamineborane	
<b>Heat Capacity</b>	300 K, $C_p=420 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K, $C_p=257.11 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 100 to 400 K. Data given graphically; $C_p$ estimated from graph.		Temperature range 10 to 310 K.	
<b>Phase Changes</b>		<b>Entropy</b>	298.15 K, $S=301.71 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c,II/c,I	322.55 K, $\Delta H=614 \text{ J}\cdot\text{mol}^{-1}$	<b>Phase Changes</b>	269.48 K, $\Delta H=14906.3 \text{ J}\cdot\text{mol}^{-1}$
	$\Delta S=1.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	c/liq	$\Delta S=55.32 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b> 323.2804		<b>Molecular Weight</b> 115.0249	
<b>Wiswesser Line Notation</b> Z1VQ 3 &WSQQ		<b>Wiswesser Line Notation</b> 2N2&2 &BHHH	
<b>Evaluation</b>	$C_p(D)$ ; Phase change(B)	<b>Evaluation</b>	A
$C_6H_{17}N_3O_{10}S$ (c)	79LOI/OSB	$C_6H_{18}N_3OP$ (liq)	82VOR/YAK
Triglycine sulfate		Hexamethylphosphoramide; Hexamethylphosphoric triamide	
<b>Heat Capacity</b>	300 K, $C_p=407 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K, $C_p=321.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 294 to 340 K. $C_p=0.301 \text{ cal}\cdot\text{g}^{-1}\cdot\text{K}^{-1}$ .		Temperature range 297.15 to 299.15 K. $C_p$ given as 1.793 J·K⁻¹·g⁻¹.	
<b>Phase Changes</b>		<b>Molecular Weight</b> 179.2015	
c,II/c,I	$\Delta H=622 \text{ J}\cdot\text{mol}^{-1}$	<b>Wiswesser Line Notation</b> OPN1&1&N1&1&N1&1	
No temperature given.		<b>Evaluation</b>	B
<b>Molecular Weight</b> 323.2804			
<b>Wiswesser Line Notation</b> Z1VQ 3 &WSQQ			
<b>Evaluation</b>	B		
$C_6H_{17}N_3O_{10}S$ (c)	80RAM/CER	$C_6H_{18}N_4$ (liq)	88BOB/KAM
Triglycine sulfate		Triethylenetetramine	
<b>Heat Capacity</b>	322 K, $C_p=426.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	333 K, $C_p=376 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature 322 K. One temperature near the critical temperature.		Temperature range 333 to 473 K.	
<b>Phase Changes</b>		<b>Molecular Weight</b> 146.2350	
c,II/c,I	322 K	<b>Wiswesser Line Notation</b> Z2M2M2Z	
Specific heat anomaly at 322 K equal to $0.28 \text{ J}\cdot\text{g}^{-1}\cdot\text{K}^{-1}$ .		<b>Evaluation</b>	D
<b>Molecular Weight</b> 323.2804			
<b>Wiswesser Line Notation</b> Z1VQ 3 &WSQQ			
<b>Evaluation</b>	A		
$C_6H_{17}N_3O_{10}S$ (c)	81LOI/KOS	$C_6H_{18}OSi_2$ (liq)	61SCO/MES
Triglycine sulfate		Hexamethyldisiloxane	
<b>Heat Capacity</b>	308 K, $C_p=419 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K, $C_p=311.37 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
One temperature. $C_p(35^\circ\text{C})=0.31 \text{ cal}\cdot\text{g}^{-1}\cdot\text{C}^{-1}$ .		Temperature range 12 to 371 K.	
<b>Molecular Weight</b> 323.2804		<b>Entropy</b>	298.15 K, $S=433.84 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Wiswesser Line Notation</b> Z1VQ 3 &WSQQ		<b>Phase Changes</b>	c/liq
<b>Evaluation</b>	B	$\Delta H=11921.9 \text{ J}\cdot\text{mol}^{-1}$	
		$\Delta S=58.18 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
 		<b>Molecular Weight</b> 162.3786	
<b>Wiswesser Line Notation</b> 1-SI-1&1&O-SI-1&1&1		<b>Evaluation</b>	A
$C_6H_{17}N_3O_{10}S \cdot C_6H_{17}N_3O_{10}Se$ (c)	83GUL/POL	$C_6H_{18}OSi_2$ (liq)	86DZH/KUL
Triglycine sulfate-triglycine selenate		Hexamethyldisiloxane	
<b>Heat Capacity</b>	303 K, $C_p=461 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K, $C_p=311.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
One temperature. $C_p=1.26 \text{ J}\cdot\text{g}^{-1}\cdot\text{C}^{-1}$ .		Temperature range 4 to 300 K. $C_p(\text{liq})=275.5-34.48\times 10^{-2}T+21.7\times 10^{-1}T^2$ (204 to 375 K).	
<b>Molecular Weight</b> 365.4850		<b>Entropy</b>	298.15 K, $S=433.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Wiswesser Line Notation</b> Z1VQ 3 &WSQQ-&Z1VQ 3 &W-SE-QQ		<b>Phase Changes</b>	c/liq
<b>Evaluation</b>	C	$\Delta H=11920 \text{ J}\cdot\text{mol}^{-1}$	
TGS0.10-TGSc0.90		<b>Molecular Weight</b> 162.3786	
		<b>Wiswesser Line Notation</b> 1-SI-1&1&O-SI-1&1&1	
		<b>Evaluation</b>	A

<b>C<sub>6</sub>H<sub>18</sub>O<sub>3</sub>Si<sub>3</sub></b> (liq)	77KUL/DZH	<b>C<sub>6</sub>H<sub>20</sub>Cl<sub>4</sub>MnN<sub>2</sub></b> (c)	81WHI/GRA
Hexamethylcyclotrisiloxane		Tetrachlorobis-(n-propylammonium) manganese II	
<b>Heat Capacity</b>		<b>Heat Capacity</b>	298.15 K, $C_p = 391.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 12 to 350 K. Data deposited in VINITI, No. 987-77, 14 March 1977. Includes $C_p$ , $S$ , $\Delta H$ phase transitions.		Temperature range 10 to 300 K.	
<b>Molecular Weight</b> 222.4629		<b>Entropy</b>	298.15 K, $S = 516.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b> T6-SI-O-SI-O-SI-OTJ A1 A1 C1 C1 E1		<b>Phase Changes</b>	c,III/c,II 112.8 K, $\Delta H = 586 \text{ J} \cdot \text{mol}^{-1}$ c,II/c,I 164.3 K, $\Delta S = 5.48 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ $\Delta H = 498 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 3.31 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Evaluation</b> C		<b>Molecular Weight</b> 316.9874	
<b>C<sub>6</sub>H<sub>18</sub>O<sub>3</sub>Si<sub>3</sub></b> (c)	82KUL/DZH	<b>Wiswesser Line Notation</b> Z3H 2 -MN- G4	
Hexamethylcyclotrisiloxane		<b>Evaluation</b>	A
<b>Heat Capacity</b> 298.15 K, $C_p = 360.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>C<sub>6</sub>H<sub>20</sub>Cl<sub>4</sub>N<sub>2</sub>Pb</b> (c)	91CHA/COU
Temperature range 4.2 to 370 K. Data given graphically except for data at 298.15 K.		Bis(propylammonium) tetrachloroplumbate(II)	
<b>Entropy</b> 298.15 K, $S = 412.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Phase Changes</b>	c,II/c,I 339.5 K, $\Delta H = 3250 \text{ J} \cdot \text{mol}^{-1}$
<b>Phase Changes</b>		<b>Molecular Weight</b> 469.2494	
c,I/liq 335.22 K, $\Delta H = 16611 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 49.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Wiswesser Line Notation</b> ZH&3 2 -PB- G4	
<b>Molecular Weight</b> 222.4629		<b>Evaluation</b>	B
<b>Wiswesser Line Notation</b> T6-SI-O-SI-O-SI-OTJ A1 A1 C1 C1 E1		<b>C<sub>6</sub>H<sub>20</sub>Cl<sub>4</sub>N<sub>2</sub>Pb</b> (c)	91ROM/LAU
E1		Bis(propylammonium) tetrachloroplumbate(II)	
<b>Evaluation</b> B		<b>Phase Changes</b>	c,IV/c,III 340 K, $\Delta H = 3730 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 11 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>C<sub>6</sub>H<sub>18</sub>Si<sub>2</sub></b> (liq)	59SUG/SEK	c,III/c,II 371 K, $\Delta H = 220 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 0.59 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Hexamethyldisilane		c,II/c,I 406 K, $\Delta H = 250 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 0.61 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Heat Capacity</b> 295.67 K, $C_p = 255.89 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Molecular Weight</b> 469.2494	
Temperature range 200 to 300 K. Value is unsmoothed experimental datum.		<b>Wiswesser Line Notation</b> ZH&3 2 -PB- G4	
<b>Phase Changes</b>		<b>Evaluation</b>	B
c,II/c,I 221.8 K, $\Delta H = 9750 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 43.96 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>C<sub>6</sub>H<sub>20</sub>Cl<sub>4</sub>N<sub>2</sub>Pb</b> (c)	92ROM/LAU
c,I/liq 287.7 K, $\Delta H = 3017 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 10.49 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		Bis(propylammonium) tetrachloroplumbate(II)	
<b>Molecular Weight</b> 146.3792		<b>Phase Changes</b>	c,IV/c,III 340 K, $\Delta H = 3730 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 11 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b> 1-SI-1&1-SI-1&1&1		c,III/c,II 371 K, $\Delta H = 220 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 0.59 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Evaluation</b> B		c,II/c,I 406 K, $\Delta H = 250 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 0.61 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>C<sub>6</sub>H<sub>20</sub>CdCl<sub>4</sub>N<sub>2</sub></b> (c)	81WHI/GRA	<b>Molecular Weight</b> 469.2494	
Tetrachlorobis-(n-propylammonium) cadmium II		<b>Wiswesser Line Notation</b> Z3H 2 -CD- G4	
<b>Heat Capacity</b> 298.15 K, $C_p = 380.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Evaluation</b>	A
Temperature range 10 to 300 K.		<b>C<sub>6</sub>H<sub>21</sub>N<sub>3</sub>Si<sub>3</sub></b> (liq)	81IMEK/KAR
<b>Entropy</b> 298.15 K, $S = 519.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		Hexamethylcyclotrisilazane	
<b>Phase Changes</b>		<b>Heat Capacity</b>	298.15 K, $C_p = 428.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c,IV/c,III 105.5 K, $\Delta H = 1472 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 13.96 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		Temperature range 13 to 390 K. Data given graphically.	
c,III/c,II 156.8 K, $\Delta H = 598 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 3.85 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Entropy</b>	298.15 K, $S = 460 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c,II/c,I 178.7 K, $\Delta H = 1021 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 6.15 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Phase Changes</b>	c/liq 254.4 K, $\Delta H = 15171 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 61.38 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b> 374.4594		<b>Molecular Weight</b> 219.5085	
<b>Wiswesser Line Notation</b> Z3H 2 -CD- G4		<b>Wiswesser Line Notation</b> T6-SI-M-SI-M-SI-MTJ A1 A1 C1 C1 E1	
<b>Evaluation</b> A		<b>Evaluation</b>	A
<b>C<sub>6</sub>H<sub>20</sub>Cl<sub>4</sub>MnN<sub>2</sub></b> (c)	75BOC/ARR	<b>C<sub>6</sub>H<sub>21</sub>N<sub>3</sub>Si<sub>3</sub></b> (liq)	
Tetrachlorobis-(n-propylammonium) manganese II		Hexamethylcyclotrisilazane	
<b>Phase Changes</b>		<b>Heat Capacity</b>	298.15 K, $C_p = 428.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c,IV/c,III 323 K, $\Delta H = 67.2 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 0.22 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		Temperature range 13 to 390 K. Data given graphically.	
c,III/c,II 383 K, $\Delta H = 14.4 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 0.036 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Entropy</b>	298.15 K, $S = 460 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c,II/c,I 445 K, $\Delta H = 5.3 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 0.12 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Phase Changes</b>	c/liq 254.4 K, $\Delta H = 15171 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 61.38 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b> 316.9874		<b>Molecular Weight</b> 219.5085	
<b>Wiswesser Line Notation</b> Z3H 2 -MN- G4		<b>Wiswesser Line Notation</b> T6-SI-M-SI-M-SI-MTJ A1 A1 C1 C1 E1	
<b>Evaluation</b> A		<b>Evaluation</b>	A

$C_6O_{12}Ce_2$ (c)		85GAL/DWO	$C_7F_{16}$ (liq)		83CAM/DIA
Cerium(III) oxalate			Perfluoroheptane; Hexadecafluoroheptane		
<b>Heat Capacity</b>	418 K,	$C_p = 499.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	293 K,	$C_p = 322.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 298 to 773 K.		$C_p = 3.2177 \times 10^{-1} - (1.9668 \times 10^{-4})T + (4.0732 \times 10^{-7})T^2 - (2.7686 \times 10^{-1})T^3 \text{ J} \cdot \text{K}^{-1} \cdot \text{g}^{-1}$ over the temperature range 418 to 538 K.	Interpolated data.		
<b>Molecular Weight</b>	544.2888		<b>Molecular Weight</b>	388.0514	
Wiswesser Line Notation OV1 3 .CE 2			Wiswesser Line Notation FXFFXFFFXXFFFXXXXFFF		
<b>Evaluation</b>	B		<b>Evaluation</b>	C	
$C_7F_8$ (liq)		74AND/MAR	$C_7H_3F_5$ (liq)		68COU/HAL
Octafluorotoluene; Perfluorotoluene			2,3,4,5,6-Pentafluorotoluene		
<b>Heat Capacity</b>	298.15 K,	$C_p = 262.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p = 225.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 10 to 315 K.			Temperature range 10 to 376 K.		
<b>Entropy</b>	298.15 K,	$S = 355.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Entropy</b>	298.15 K,	$S = 306.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Phase Changes</b>	c/liq	$\Delta H = 11490 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 55.32 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	c,II/c,I	70.3 K,	$\Delta H = 210.3 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 2.94 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
			c,II/c,I	243.35 K,	$\Delta H = 12990 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 53.38 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	236.0642		<b>Molecular Weight</b>	182.0927	
Wiswesser Line Notation FXFFR BF CF DF EF FF			Wiswesser Line Notation FR BF CF DF EF F1		
<b>Evaluation</b>	A		<b>Evaluation</b>	A	
$C_7F_8$ (liq)		75PAU	$C_7H_3F_5$ (liq)		71PAU
Octafluorotoluene; Perfluorotoluene			2,3,4,5,6-Pentafluorotoluene		
<b>Heat Capacity</b>	298.15 K,	$C_p = 266.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p = 231.12 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 13 to 300 K.			Temperature range 12 to 305 K. Data deposited VINITI, No 2538-71, 20 Jan 1971.		
<b>Entropy</b>	298.15 K,	$S = 360.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Entropy</b>	298.15 K,	$S = 310.87 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Phase Changes</b>	c/liq	$\Delta H = 11581 \text{ J} \cdot \text{mol}^{-1}$	c/liq	243.7 K,	$\Delta H = 13280 \text{ J} \cdot \text{mol}^{-1}$ Transition 0.3 K below mp, $\Delta H$ is sum of transition and fusion.
					$\Delta S = 54.49 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	236.0642		<b>Molecular Weight</b>	182.0927	
Wiswesser Line Notation FXFFR BF CF DF EF FF			Wiswesser Line Notation FR BF CF DF EF F1		
<b>Evaluation</b>	A		<b>Evaluation</b>	A	
$C_7F_{14}$ (liq)		57YAR/KAY	$C_7H_4ClNO$ (liq)		65ZAL/KOC
Perfluoromethylcyclohexane			m-Chlorophenylisocyanate		
<b>Heat Capacity</b>	298 K,	$C_p = 353.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	294.2 K,	$C_p = 187.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 298 to 373 K. Equation only.			Temperature range 294, 323 K.		
<b>Molecular Weight</b>	350.0546		<b>Molecular Weight</b>	153.5677	
Wiswesser Line Notation L6TJ AXFFF AF BF BF CF CF DF DF EF EF FF FF			Wiswesser Line Notation OCNR CG		
<b>Evaluation</b>	B		<b>Evaluation</b>	C	
$C_7F_{16}$ (liq)		51OLJ/GRI	$C_7H_4ClNO$ (c)		65ZAL/KOC
Perfluoroheptane; Hexadecafluoroheptane			p-Chlorophenylisocyanate		
<b>Heat Capacity</b>	300 K,	$C_p = 419.47 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	282 K,	$C_p = 210.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 18 to 310 K.			Temperature range 273 to 290 K. Mean value.		
<b>Entropy</b>	298.15 K,	$S = 561.80 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b>	153.5677	
<b>Phase Changes</b>	c,II/c,I	$\Delta H = 6670.6 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 36.97 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Wiswesser Line Notation OCNR DG		
			<b>Evaluation</b>	C	
c,I/liq	221.86 K,	$\Delta H = 6947.2 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 31.31 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
<b>Molecular Weight</b>	388.0514		$C_7H_4CrO_3S$ (c)		78POM/CHI
Wiswesser Line Notation FXFFXFFFXXFFFXXXXFFF			Thiophene chromium tricarbonyl		
<b>Evaluation</b>	A		<b>Heat Capacity</b>	298.15 K,	$C_p = 193.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
			Temperature range 120 to 300 K. Data given graphically.		
			$C_p = 71.02 - 4.41 \times 10^{-1}T + 4.61 \times 10^{-3}T^2 - 5.96 \times 10^{-6}T$ $J \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ (from equation).		
			<b>Phase Changes</b>	c,II/c,I	$\Delta H = 1650 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 8.95 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
				185 K,	
			<b>Molecular Weight</b>	220.1628	
			Wiswesser Line Notation TSSφJ φ-CR- CO 3		
			<b>Evaluation</b>	C ( $C_p$ ), A (Phase changes)	

<b>C<sub>7</sub>H<sub>4</sub>CrO<sub>3</sub>Se</b> (c)	78POM/CHH	<b>C<sub>7</sub>H<sub>4</sub>MnNO<sub>3</sub></b> (c)	83CHH/POM
Selenophene chromium tricarbonyl		Azacymantrene; Pyrrolyl manganese tricarbonyl	
<b>Heat Capacity</b> 298.15 K, $C_p=272.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Temperature range 125 to 337 K. Data given graphically. $C_p=116.8+2.69 \times 10^{-1}T+1.48 \times 10^{-3}T^2-2.08 \times 10^{-6}T^3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ (125 to 337 K). $C_p$ value calculated from equation.	<b>Heat Capacity</b> 298.15 K, $C_p=216.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Temperature range 10 to 300 K.
<b>Molecular Weight</b> 267.0628		<b>Entropy</b> 298.15 K, $S=250.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Wiswesser Line Notation</b> T5-SE- $\phi$ J $\phi$ -CR- CO 3		<b>Phase Changes</b>	
<b>Evaluation</b> C ( $C_p$ ), A (Phase changes)		c,II/c,I 305 K, $\Delta H=1910 \text{ J} \cdot \text{mol}^{-1}$ c,I/liq 315.5 K, $\Delta S=6.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ $\Delta H=13010 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S=41 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>C<sub>7</sub>H<sub>4</sub>CrO<sub>3</sub>Se</b> (c)	81CHH/POM	<b>Molecular Weight</b> 205.0515	
Selenophene chromium tricarbonyl		<b>Wiswesser Line Notation</b> T5N $\phi$ J $\phi$ -MN- CO 3	
<b>Heat Capacity</b> 298.15 K, $C_p=272.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Temperature range 80 to 300 K. Data given graphically. $C_p=116.8+2.69 \times 10^{-1}T+1.48 \times 10^{-3}T^2-2.08 \times 10^{-6}T^3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ . $C_p$ value calculated from equation.	<b>Evaluation</b> A	
<b>Molecular Weight</b> 267.0628		<b>C<sub>7</sub>H<sub>5</sub>BrO<sub>2</sub></b> (c)	87FER/PIL
<b>Wiswesser Line Notation</b> T5-SE- $\phi$ J $\phi$ -CR- CO 3		2-Bromobenzoic acid	
<b>Evaluation</b> B		<b>Heat Capacity</b> 298.15 K, $C_p=153.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	One temperature. Value given as $C_p=0.765 \text{ J} \cdot \text{K}^{-1} \cdot \text{g}^{-1}$ .
<b>C<sub>7</sub>H<sub>4</sub>CrO<sub>3</sub>Te</b> (c)	78POM/CHH	<b>Molecular Weight</b> 201.0193	
Tellurophene chromium tricarbonyl		<b>Wiswesser Line Notation</b> QVR BE	
<b>Heat Capacity</b> 298.15 K, $C_p=278.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Temperature range 124 to 326 K. Data given graphically. $C_p=96.85+1.67 \times 10^{-1}T+2.44 \times 10^{-3}T^2-3.19 \times 10^{-6}T^3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ (124 to 326 K). $C_p$ value calculated from equation.	<b>Evaluation</b> C	
<b>Molecular Weight</b> 315.7028		<b>C<sub>7</sub>H<sub>5</sub>BrO<sub>2</sub></b> (c)	87FER/PIL
<b>Wiswesser Line Notation</b> T5-TE- $\phi$ J $\phi$ -CR- CO 3		3-Bromobenzoic acid	
<b>Evaluation</b> C ( $C_p$ ), A (Phase changes)		<b>Heat Capacity</b> 298.15 K, $C_p=151.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	One temperature. Value given as $C_p=0.753 \text{ J} \cdot \text{K}^{-1} \cdot \text{g}^{-1}$ .
<b>C<sub>7</sub>H<sub>4</sub>CrO<sub>3</sub>Te</b> (c)	81CHH/POM	<b>Molecular Weight</b> 201.0193	
Tellurophene chromium tricarbonyl		<b>Wiswesser Line Notation</b> QVR CE	
<b>Heat Capacity</b> 298.15 K, $C_p=278.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Temperature range 80 to 300 K. Data given graphically. $C_p=96.85+1.67 \times 10^{-1}T+2.44 \times 10^{-3}T^2-3.19 \times 10^{-6}T^3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ . $C_p$ value calculated from equation.	<b>Evaluation</b> C	
<b>Molecular Weight</b> 315.7028		<b>C<sub>7</sub>H<sub>4</sub>BrO<sub>2</sub></b> (c)	87FER/PIL
<b>Wiswesser Line Notation</b> T5-TE- $\phi$ J $\phi$ -CR- CO 3		4-Bromobenzoic acid	
<b>Evaluation</b> B		<b>Heat Capacity</b> 298.15 K, $C_p=151.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	One temperature. Value given as $C_p=0.753 \text{ J} \cdot \text{K}^{-1} \cdot \text{g}^{-1}$ .
<b>C<sub>7</sub>H<sub>4</sub>F<sub>3</sub>NO<sub>2</sub></b> (liq)	81LEB/RYA	<b>Molecular Weight</b> 201.0193	
3 Trifluoromethyl nitrobenzene		<b>Wiswesser Line Notation</b> QVR DE	
<b>Heat Capacity</b>	$C_p=224.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Evaluation</b> B	
Temperature range 298 to 373 K. Data given over temperature range.		<b>C<sub>7</sub>H<sub>5</sub>ClO</b> (liq)	1881REI
<b>Molecular Weight</b> 191.1093		Benzoyl chloride	
<b>Wiswesser Line Notation</b> WNR CXFFF		<b>Heat Capacity</b> 298 K, $C_p=187.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Temperature range 290 to 477 K.
<b>Evaluation</b> B		<b>Molecular Weight</b> 140.5689	
<b>C<sub>7</sub>H<sub>4</sub>MnNO<sub>3</sub></b> (c)	78POM/CHH	<b>Wiswesser Line Notation</b> GVR	
Azacymantrene; Pyrrolyl manganese tricarbonyl		<b>Evaluation</b> D	
<b>Heat Capacity</b> 298.15 K, $C_p=236.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Temperature range 124 to 293 K. Data given graphically. $C_p=172.3-1.16T+7.86 \times 10^{-3}T^2-1.09 \times 10^{-5}T^3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ (124 to 150 K; 240 to 293 K). $C_p$ value calculated from equation.	<b>C<sub>7</sub>H<sub>5</sub>ClO<sub>2</sub></b> (c)	26AND/LYN
<b>Phase Changes</b>		2-Chlorobenzoic acid	
c,II/c,I 150-240 K, $\Delta H=702 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S=3.55 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298 K, $C_p=163.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Temperature range 22 to 200 °C.
<b>Molecular Weight</b> 205.0515		<b>Phase Changes</b>	
<b>Wiswesser Line Notation</b> T5N $\phi$ J $\phi$ -MN- CO 3		c/liq 413.4 K, $\Delta H=25730 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S=62.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Evaluation</b> C ( $C_p$ ), A (Phase changes)		<b>Molecular Weight</b> 156.5683	
<b>C<sub>7</sub>H<sub>5</sub>ClO<sub>2</sub></b> (c)		<b>Wiswesser Line Notation</b> QVR BG	
2-Chlorobenzoic acid		<b>Evaluation</b> C	
<b>Phase Changes</b>		<b>C<sub>7</sub>H<sub>5</sub>ClO<sub>2</sub></b> (c)	91SAB/HIR
c/liq 414.10 K, $\Delta H=26290 \text{ J} \cdot \text{mol}^{-1}$		2-Chlorobenzoic acid	
<b>Molecular Weight</b> 156.5683		<b>Wiswesser Line Notation</b> QVR BG	
<b>Wiswesser Line Notation</b> T5N $\phi$ J $\phi$ -MN- CO 3		<b>Evaluation</b> A	
<b>Evaluation</b> C ( $C_p$ ), A (Phase changes)			

$C_7H_5ClO_2$ (c)		26AND/LYN	$C_7H_5IO_2$ (c)		92SAB/ELW
3-Chlorobenzoic acid			4-Iodobenzoic acid		
<b>Heat Capacity</b>	298 K,	$C_p = 163.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Phase Changes</b>		
Temperature range 22 to 205 °C.			c/liq	544.74 K,	$\Delta H = 33940 \text{ J} \cdot \text{mol}^{-1}$
<b>Phase Changes</b>			<b>Molecular Weight</b>	248.0198	
c/liq	427.4 K,	$\Delta H = 23850 \text{ J} \cdot \text{mol}^{-1}$	<b>Wiswesser Line Notation</b>	QVR DI	
		$\Delta S = 55.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Evaluation</b>	A	
<b>Molecular Weight</b>	156.5683				
<b>Wiswesser Line Notation</b>	QVR CG				
<b>Evaluation</b>	C				
$C_7H_5ClO_2$ (c)		91SAB/HIR	$C_7H_5N$ (liq)		83BYK/LEI
3-Chlorobenzoic acid			Benzonitrile		
<b>Phase Changes</b>			<b>Heat Capacity</b>	298.15 K,	
c/liq	427.83 K,	$\Delta H = 22000 \text{ J} \cdot \text{mol}^{-1}$	Temperature range	5 to 330 K.	$C_p = 165.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	156.5683		<b>Entropy</b>	298.15 K,	$S = 209.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b>	QVR CG		<b>Phase Changes</b>		
<b>Evaluation</b>	A		c/liq	260.33 K,	$\Delta H = 10980 \text{ J} \cdot \text{mol}^{-1}$
					$\Delta S = 42.16 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	103.1232				
<b>Wiswesser Line Notation</b>	NCR				
<b>Evaluation</b>	A				
$C_7H_5ClO_2$ (c)		26AND/LYN	$C_7H_5N$ (liq)		84BYK/KJ
4-Chlorobenzoic acid			Benzonitrile		
<b>Heat Capacity</b>	298 K,	$C_p = 167.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	
Temperature range 22 to 265 °C.			Temperature range	14 to 330 K.	$C_p = 165.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Phase Changes</b>			<b>Phase Changes</b>		
c/liq	512.9 K,	$\Delta H = 32260 \text{ J} \cdot \text{mol}^{-1}$	c,liq	260.33 K,	$\Delta H = 10980 \text{ J} \cdot \text{mol}^{-1}$
<b>Molecular Weight</b>	156.5683	$\Delta S = 62.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			$\Delta S = 42.16 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b>	QVR DG				
<b>Evaluation</b>	C				
$C_7H_5ClO_2$ (c)		91SAB/HIR	$C_7H_5N$ (liq)		84LEB/BYK
4-Chlorobenzoic acid			Benzonitrile		
<b>Phase Changes</b>			<b>Heat Capacity</b>	298.15 K,	
c/liq	513.53 K,	$\Delta H = 34260 \text{ J} \cdot \text{mol}^{-1}$	Temperature range	25 to 330 K.	$C_p = 165.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	156.5683		<b>Entropy</b>	298.15 K,	$S = 209.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b>	QVR DG		<b>Phase Changes</b>		
<b>Evaluation</b>	A		c/liq	260.332 K,	$\Delta H = 10980 \text{ J} \cdot \text{mol}^{-1}$
					$\Delta S = 42.16 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	103.1232				
<b>Wiswesser Line Notation</b>	NCR				
<b>Evaluation</b>	A				
$C_7H_5Cl_3$ (liq)		87GOA/BOE	$C_7H_5N$ (liq)		85LAI/ROI
Benzotrichloride; $\alpha, \alpha, \alpha$ -Trichlorotoluene			Benzonitrile		
<b>Phase Changes</b>			<b>Heat Capacity</b>	298.15 K,	
c,liq	235.99 K,	$\Delta H = 13950 \text{ J} \cdot \text{mol}^{-1}$	One temperature.		$C_p = 166.24 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	108.1396	$\Delta S = 59.11 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
<b>Wiswesser Line Notation</b>	GXGGR				
<b>Evaluation</b>	A				
$C_7H_5F_3$ (liq)		59SCO/DOU	$C_7H_5N$ (liq)		85LEB/BY
Benzotrifluoride; $\alpha, \alpha, \alpha$ -Trifluorotoluene			Benzonitrile		
<b>Heat Capacity</b>	298.15 K,	$C_p = 188.45 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	
Temperature range 12 to 365 K.		$S = 271.50 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Temperature range	5 to 330 K.	$C_p = 165.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Entropy</b>	298.15 K,		<b>Entropy</b>	298.15 K,	$S = 209.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Phase Changes</b>			<b>Phase Changes</b>		
c/liq	244.14 K,	$\Delta H = 13782 \text{ J} \cdot \text{mol}^{-1}$	c/liq	260.33 K,	$\Delta H = 10980 \text{ J} \cdot \text{mol}^{-1}$
<b>Molecular Weight</b>	146.1117	$\Delta S = 56.45 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			$\Delta S = 42.16 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b>	FXFFR				
<b>Evaluation</b>	A				

<b>C<sub>7</sub>H<sub>5</sub>N</b> (liq)		85TAN/NAK	<b>C<sub>7</sub>H<sub>5</sub>NO<sub>4</sub></b> (c)		41SAT/SOG
Benzonitrile			2-Nitrobenzoic acid		
<b>Heat Capacity</b>	298.15 K, One temperature.	$C_p = 166.52 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	323 K,	$C_p = 202.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	103.1232		Temperature range 0 to 100 °C. Mean value.		
<b>Wiswesser Line Notation</b>	NCR		<b>Molecular Weight</b>	167.1208	
<b>Evaluation</b>	B		<b>Wiswesser Line Notation</b>	WNR BVQ	
			<b>Evaluation</b>	C	
			Same data in 40SAT/SOG2.		
 <b>C<sub>7</sub>H<sub>5</sub>N</b> (liq)		87MIR/SHA	 <b>C<sub>7</sub>H<sub>5</sub>NO<sub>4</sub></b> (c)		26AND
Benzonitrile			3-Nitrobenzoic acid		
<b>Heat Capacity</b>	298.15 K,	$C_p = 161.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	297.9 K,	$C_p = 179.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 273 to 453 K. Unsmoothed experimental datum given as $1.496 \text{ kJ/kg} \cdot \text{K}$ at 293 K. $C_p(\text{liq}) = 1.2396 + 8.7 \times 10^{-5} \text{ T/K} + 3.333 \times 10^{-6} \text{ T}^2/\text{K}^2 \text{ kJ/kg} \cdot \text{K}$ (273 to 453 K).			Temperature range 110 to 344 K. Value is unsmoothed experimental datum.		
<b>Molecular Weight</b>	103.1232		<b>Molecular Weight</b>	167.1208	
<b>Wiswesser Line Notation</b>	NCR		<b>Wiswesser Line Notation</b>	WNR CVQ	
<b>Evaluation</b>	C		<b>Evaluation</b>	C	
 <b>C<sub>7</sub>H<sub>5</sub>NO</b> (c,l)		92STE/CHI4	 <b>C<sub>7</sub>H<sub>5</sub>NO<sub>4</sub></b> (c)		26AND/LYN
Phenoxazole			3-Nitrobenzoic acid		
<b>Heat Capacity</b>	298.15 K,	$C_p = 141.59 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298 K,	$C_p = 173.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 5 to 650 K. $C_p(\text{liq}, 298.15 \text{ K}) = 178.50 \text{ J/K} \cdot \text{mol}$ . $C_p$ value for the liquid at 298.15 K was calculated with graphically extrapolated data.			Temperature range 22 to 225 °C.		
<b>Entropy</b>	298.15 K,	$S = 148.95 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Phase Changes</b>		
$S(\text{liq}, 298.15 \text{ K}) = 203.91 \text{ J/K} \cdot \text{mol}$ . S value for the liquid at 298.15 K was calculated with graphically extrapolated data.			c/liq	414.3 K,	$\Delta H = 19330 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 46.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Phase Changes</b>					
c,II/c,I	247.0 K,	$\Delta H = 18.29 \text{ J} \cdot \text{mol}^{-1}$	<b>Molecular Weight</b>	167.1208	
c,I/liq	302.505 K,	$\Delta H = 16784 \text{ J} \cdot \text{mol}^{-1}$	<b>Wiswesser Line Notation</b>	WNR CVQ	
<b>Molecular Weight</b>	119.1226		<b>Evaluation</b>	C	
<b>Wiswesser Line Notation</b>	T56 BN DOJ				
<b>Evaluation</b>	A				
 <b>C<sub>7</sub>H<sub>5</sub>NO</b> (liq)		93STE/CHI2	 <b>C<sub>7</sub>H<sub>5</sub>NO<sub>4</sub></b> (c)		41SAT/SOG
Phenyl isocyanate			3-Nitrobenzoic acid		
<b>Heat Capacity</b>	298.15 K,	$C_p = 186.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	323 K,	$C_p = 201.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
One temperature.			Temperature range 0 to 100 °C. Mean value.		
<b>Molecular Weight</b>	119.1226		<b>Molecular Weight</b>	167.1208	
<b>Wiswesser Line Notation</b>	OCNR		<b>Wiswesser Line Notation</b>	WNR CVQ	
<b>Evaluation</b>	A		<b>Evaluation</b>	C	
			Same data in 40SAT/SOG2.		
 <b>C<sub>7</sub>H<sub>5</sub>NO<sub>4</sub></b> (c)		26AND	 <b>C<sub>7</sub>H<sub>5</sub>NO<sub>4</sub></b> (c)		90RAI/MAN
2-Nitrobenzoic acid			3-Nitrobenzoic acid		
<b>Heat Capacity</b>	297.9 K,	$C_p = 190.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Phase Changes</b>		
Temperature range 110 to 344 K. Value is unsmoothed experimental datum.			c/liq	413 K,	$\Delta H = 21400 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 51.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	167.1208		Temperature from graph.		
<b>Wiswesser Line Notation</b>	WNR BVQ		<b>Molecular Weight</b>	167.1208	
<b>Evaluation</b>	C		<b>Wiswesser Line Notation</b>	WNR CVQ	
			<b>Evaluation</b>	A	
 <b>C<sub>7</sub>H<sub>5</sub>NO<sub>4</sub></b> (c)		26AND/LYN	 <b>C<sub>7</sub>H<sub>5</sub>NO<sub>4</sub></b> (c)		26AND
2-Nitrobenzoic acid			4-Nitrobenzoic acid		
<b>Heat Capacity</b>	298 K,	$C_p = 191.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	297.9 K,	$C_p = 182.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 22 to 240 °C.			Temperature range 110 to 344 K. Value is unsmoothed experimental datum.		
<b>Phase Changes</b>			<b>Molecular Weight</b>	167.1208	
c/liq	419.0 K,	$\Delta H = 27990 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 66.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Wiswesser Line Notation</b>	WNR DVQ	
<b>Molecular Weight</b>	167.1208		<b>Evaluation</b>	C	
<b>Wiswesser Line Notation</b>	WNR BVQ				
<b>Evaluation</b>	C				

$C_7H_5NO_4$ (c)		26AND/LYN	$C_7H_5NS$ (liq)		92STE/CHI <sup>2</sup>
4-Nitrobenzoic acid			Benzothiazole		
<b>Heat Capacity</b>	298 K, Temperature range 22 to 245 °C.	$C_p = 180.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K, Temperature range 5 to 445 K.	$C_p = 189.25 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Phase Changes</b>			<b>Entropy</b>	298.15 K,	$S = 209.88 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c/liq	512.4 K,	$\Delta H = 36900 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 72.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	c,II/c,I	245.0 K,	$\Delta H = 37.4 \text{ J} \cdot \text{mol}^{-1}$
<b>Molecular Weight</b>	167.1208		c,II/liq	275.651 K,	$\Delta H = 12591 \text{ J} \cdot \text{mol}^{-1}$
<b>Wiswesser Line Notation</b>	WNR DVQ		<b>Molecular Weight</b>	135.1832	
<b>Evaluation</b>	C		<b>Wiswesser Line Notation</b>	T56 BN DSJ	
			<b>Evaluation</b>	A	
$C_7H_5NO_4$ (c)		41SAT/SOG	$C_7H_5N_3O_6$ (c)		24TAY/RIN
4-Nitrobenzoic acid			2,4,6-Trinitrotoluene		
<b>Heat Capacity</b>	323 K, Temperature range 0 to 100 °C. Mean value.	$C_p = 197.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	293 K,	$C_p = 311.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	167.1208		<b>Molecular Weight</b>	227.1330	
<b>Wiswesser Line Notation</b>	WNR DVQ		<b>Wiswesser Line Notation</b>	WNR B1 CNW ENW	
<b>Evaluation</b>	C		<b>Evaluation</b>	C	
	Same data in 40SAT/SOG2.				
$C_7H_5NO_4$ (c)		72BOO/HAU	$C_7H_5N_3O_6$ (c,II)		71CHI/THC
4-Nitrobenzoic acid			2,4,5-Trinitrotoluene; $\gamma$ -TNT		
<b>Phase Changes</b>			<b>Heat Capacity</b>	313.2 K,	$C_p = 312 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c/liq	512.35 K,	$\Delta H = 36900 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 72.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Temperature range 313 to 333 K. At 313.2 K, $C_p$ of c,I is 248 $\text{J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .		
<b>Molecular Weight</b>	167.1208		<b>Phase Changes</b>		
<b>Wiswesser Line Notation</b>	WNR DVQ		c,II/c,I	319.2 K,	$\Delta H = 5700 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 18 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Evaluation</b>	C		c,I/liq	376.2 K,	$\Delta H = 24700 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 66 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
			c,II/liq	347.2 K,	$\Delta H = 13300 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 38 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
$C_7H_5NS$ (liq)		36KUR/VOS	<b>Molecular Weight</b>	227.1330	
Phenyl isothiocyanate			<b>Wiswesser Line Notation</b>	WNR B1 DNW ENW	
<b>Heat Capacity</b>	290 K,	$C_p = 186.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Evaluation</b>	C	
One temperature.					
<b>Molecular Weight</b>	135.1832				
<b>Wiswesser Line Notation</b>	SCNR				
<b>Evaluation</b>	D				
$C_7H_5NS$ (liq)		68GOU/WES4	$C_7H_5N_3O_6$ (c)		91YIN/LIU
Benzothiazole			2,4,6-Trinitrotoluene		
<b>Heat Capacity</b>	298.15 K, Temperature range 25 to 325 K.	$C_p = 189.54 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298 K,	$C_p = 243.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Entropy</b>	298.15 K,	$S = 209.83 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Temperature range 290 to 345 K. $C_p$ value reported at 298 K i 1.074 J/g·K.		
<b>Phase Changes</b>			<b>Molecular Weight</b>	227.1330	
c/liq	275.596 K,	$\Delta H = 12782 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 46.40 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Wiswesser Line Notation</b>	WNR B1 CNW ENW	
<b>Molecular Weight</b>	135.1832		<b>Evaluation</b>	B	
<b>Wiswesser Line Notation</b>	T56 BN DSJ				
<b>Evaluation</b>	A				
$C_7H_5NS$ (liq)		69GOU/WES	$C_7H_5N_3O_8$ (c)		24TAY/RI <sup>1</sup>
Benzothiazole			2,4,6-Trinitrophenylmethyl nitramine; Tetryl; N-Methyl-2,4,6, N-tetranitroaniline		
<b>Heat Capacity</b>	298.15 K, Temperature range 5 to 325 K.	$C_p = 189.54 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	293 K,	$C_p = 260.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Entropy</b>	298.15 K,	$S = 209.83 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Temperature range 90 to 370 K.		
<b>Phase Changes</b>			<b>Molecular Weight</b>	287.1452	
c/liq	275.60 K,	$\Delta H = 12782 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 46.38 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Wiswesser Line Notation</b>	WNN1&R BNW DNW FNW	
<b>Molecular Weight</b>	135.1832		<b>Evaluation</b>	C	
<b>Wiswesser Line Notation</b>	T56 BN DSJ				
<b>Evaluation</b>	A				
$C_7H_5NS$ (liq)			$C_7H_5N_3O_8$ (c)		71HA
Benzothiazole			2,4,6-Trinitrophenylmethyl nitramine; Tetryl; N-Methyl-2,4,6, N-tetranitroaniline		
<b>Heat Capacity</b>	298.15 K, Temperature range 5 to 325 K.		<b>Phase Changes</b>		
<b>Entropy</b>	298.15 K,		c/liq	400.5 K,	$\Delta H = 25857 \text{ J} \cdot \text{mol}^{-1}$
<b>Phase Changes</b>			<b>Molecular Weight</b>	287.1452	
c/liq	275.60 K,		<b>Wiswesser Line Notation</b>	WNN1&R BNW DNW FNW	
<b>Molecular Weight</b>	135.1832		<b>Evaluation</b>	C	
<b>Wiswesser Line Notation</b>	T56 BN DSJ				
<b>Evaluation</b>	A				

$C_7H_5N_3O_8$ (c)		73KRI/LIC
2,4,6-Trinitrophenylmethyl nitramine; Tetryl; N-Methyl-2,4,6,N-tetranitroaniline		
<b>Heat Capacity</b>	298 K,	$C_p=302.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 200 to 403 K. Equation only.		
<b>Phase Changes</b>		
c/liq	402.6 K,	$\Delta H=22930 \text{ J}\cdot\text{mol}^{-1}$
		$\Delta S=57.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b>	287.1452	
<b>Wiswesser Line Notation</b>	WNN1&R BNW DNW FNW	
<b>Evaluation</b>	C	

$C_7H_5N_3O_8$ (c)		91YIN/LIU
2,4,6-Trinitrophenylmethyl nitramine; Tetryl; N-Methyl-2,4,6,N-tetranitroaniline		
<b>Heat Capacity</b>	298 K,	$C_p=290.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 290 to 345 K. $C_p$ value reported at 298 K is 1.013 J/g·K.		
<b>Molecular Weight</b>	287.1452	
<b>Wiswesser Line Notation</b>	WNN1&R BNW DNW FNW	
<b>Evaluation</b>	B	

$C_7H_6F_8O_3$ (liq)		80LEB/DOB
Bis-(tetrafluoropropyl)carbonate		
<b>Heat Capacity</b>	298.15 K,	$C_p=389.87 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 12 to 360 K. Data given in tables and by equations.		
<b>Entropy</b>	298.15 K,	$S=539.02 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Phase Changes</b>		
c/liq	253.35 K,	$\Delta H=41049 \text{ J}\cdot\text{mol}^{-1}$
		$\Delta S=162.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b>	290.1098	
<b>Wiswesser Line Notation</b>	1XFFXFF&O 2V	
<b>Evaluation</b>	A	

$C_7H_6N_2$ (c)		87JIM/ROU
Benzimidazole		
<b>Heat Capacity</b>	298.15 K,	$C_p=128.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
One temperature. $C_p$ given as $1.09 \text{ J}\cdot\text{K}^{-1}\cdot\text{g}^{-1}$ .		
<b>Molecular Weight</b>	118.1378	
<b>Wiswesser Line Notation</b>	T56 BM DNJ	
<b>Evaluation</b>	B	

$C_7H_6N_2$ (c)		87JIM/ROU
Indazole		
<b>Heat Capacity</b>	298.15 K,	$C_p=128.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
One temperature. $C_p$ given as $1.09 \text{ J}\cdot\text{K}^{-1}\cdot\text{g}^{-1}$ .		
<b>Molecular Weight</b>	118.1378	
<b>Wiswesser Line Notation</b>	T56 BM NJ	
<b>Evaluation</b>	B	

$C_7H_6N_2O_4$ (c)		64DAV
2,4-Dinitrotoluene		
<b>Heat Capacity</b>	325 K,	$C_p=255 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 298 to 340 K. Mean value. Temperature range uncertain.		
<b>Phase Changes</b>		
c/liq	345 K,	$\Delta H=20900 \text{ J}\cdot\text{mol}^{-1}$
		$\Delta S=61 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature not measured.		
<b>Molecular Weight</b>	182.1354	
<b>Wiswesser Line Notation</b>	WNR B1 ENW	
<b>Evaluation</b>	D	

$C_7H_6N_2O_4$ (c)		90FIN/PAY
2,6-Dinitrotoluene		
<b>Heat Capacity</b>	305 K,	$C_p=217 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 305 to 365 K. Unsmoothed experimental datum.		
<b>Phase Changes</b>		
c/liq	340 K,	$\Delta H=19280 \text{ J}\cdot\text{mol}^{-1}$
c,form A/liq.		
<b>Molecular Weight</b>	182.1354	
<b>Wiswesser Line Notation</b>	WNR B1 CNW	
<b>Evaluation</b>	A	
Data given in the solid and liquid state for form A.		

$C_7H_6N_2O_4$ (c)		90FIN/PAY
2,6-Dinitrotoluene		
<b>Heat Capacity</b>	305 K,	$C_p=224 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 305 to 365 K. Unsmoothed experimental datum.		
<b>Phase Changes</b>		
c/liq	340 K,	$\Delta H=16070 \text{ J}\cdot\text{mol}^{-1}$
c,form B/liq.		
<b>Molecular Weight</b>	182.1354	
<b>Wiswesser Line Notation</b>	WNR B1 CNW	
<b>Evaluation</b>	A	
Data given in the solid and liquid state for form B.		

$C_7H_6O$ (liq)		34KOL/UDO
Benzaldehyde		
<b>Heat Capacity</b>	302.4 K,	$C_p=171.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
One temperature.		
<b>Molecular Weight</b>	106.1238	
<b>Wiswesser Line Notation</b>	VHR	
<b>Evaluation</b>	C	

$C_7H_6O$ (liq)		34KOL/UDO2
Benzaldehyde		
<b>Heat Capacity</b>	302.3 K,	$C_p=171.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
One temperature.		
<b>Molecular Weight</b>	106.1238	
<b>Wiswesser Line Notation</b>	VHR	
<b>Evaluation</b>	C	

$C_7H_6O$ (liq)		15AMB/CON
Benzaldehyde		
<b>Heat Capacity</b>	298.15 K,	$C_p=172.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 13 to 425 K.		
<b>Entropy</b>	298.15 K,	$S=221.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Phase Changes</b>		
c/liq	216.02 K,	$\Delta H=9320 \text{ J}\cdot\text{mol}^{-1}$
		$\Delta S=43.14 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b>	106.1238	
<b>Wiswesser Line Notation</b>	VHR	
<b>Evaluation</b>	A	

$C_7H_6O_2$ (c)		26AND/LYN
Benzoic acid		
<b>Heat Capacity</b>	298 K,	$C_p=155.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 22 to 200 °C.		
<b>Phase Changes</b>		
c/liq	395.0 K,	$\Delta H=17320 \text{ J}\cdot\text{mol}^{-1}$
		$\Delta S=43.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b>	122.1232	
<b>Wiswesser Line Notation</b>	QVR	
<b>Evaluation</b>	C	

$C_7H_6O_2$ (c)		33PAR/HUF	$C_7H_6O_2$ (c)		62KOL/SEF
Benzoic acid			Benzoic acid		
<b>Heat Capacity</b>	295.1 K,	$C_p = 145.10 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p = 146.31 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 93 to 295 K. Value is unsmoothed experimental datum.			Temperature range 22 to 310 K.		
<b>Entropy</b>	298.1 K,	$S = 170.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b>	122.1232	
Extrapolation below 90 K, $59.25 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .			<b>Wiswesser Line Notation QVR</b>		
<b>Molecular Weight</b>	122.1232		<b>Evaluation</b>	A	
<b>Wiswesser Line Notation QVR</b>					
<b>Evaluation</b>	$B(C_p), C(S)$				
$C_7H_6O_2$ (c)		39SAT/SOG2	$C_7H_6O_2$ (c)		64DAV
Benzoic acid			Benzoic acid		
<b>Heat Capacity</b>	323 K,	$C_p = 160.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	340 K,	$C_p = 130 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 0 to 100 °C. Mean value.			Temperature range 298 to 373 K. Mean value. Temperature range uncertain.		
<b>Molecular Weight</b>	122.1232		<b>Phase Changes</b>		
<b>Wiswesser Line Notation QVR</b>			c/liq	395 K,	$\Delta H = 17400 \text{ J} \cdot \text{mol}^{-1}$
<b>Evaluation</b>	C				$\Delta S = 44 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Same data in 40SAT/SOG.			Temperature not measured.		
$C_7H_6O_2$ (c)		51FUR/MCC	<b>Molecular Weight</b>	122.1232	
Benzoic acid			<b>Wiswesser Line Notation QVR</b>		
<b>Heat Capacity</b>	298.15 K,	$C_p = 146.81 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Evaluation</b>	A	
Temperature range 13 to 410 K.					
<b>Entropy</b>	298.15 K,	$S = 167.59 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	$C_7H_6O_2$ (c)		65SUG/SEF
<b>Phase Changes</b>			Benzoic acid		
c/liq	395.52 K,	$\Delta H = 18000 \text{ J} \cdot \text{mol}^{-1}$	<b>Heat Capacity</b>	299.99 K,	$C_p = 147.14 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
		$\Delta S = 45.51 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Temperature range 13 to 300 K. Value is unsmoothed experimental datum.		
<b>Molecular Weight</b>	122.1232		<b>Molecular Weight</b>	122.1232	
<b>Wiswesser Line Notation QVR</b>			<b>Wiswesser Line Notation QVR</b>		
<b>Evaluation</b>	A		<b>Evaluation</b>	A	
$C_7H_6O_2$ (c)		53GIN/FUR	$C_7H_6O_2$ (liq)		67PA(
Benzoic acid			Benzoic acid		
<b>Heat Capacity</b>	298.15 K,	$C_p = 146.81 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	413 K,	$C_p = 259 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 14 to 410 K.			One temperature.		
<b>Phase Changes</b>			<b>Phase Changes</b>		
c/liq	395.52 K,	$\Delta H = 18006 \text{ J} \cdot \text{mol}^{-1}$	c/liq	395 K,	$\Delta H = 16230 \text{ J} \cdot \text{mol}^{-1}$
		$\Delta S = 45.52 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			$\Delta S = 41.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	122.1232		<b>Molecular Weight</b>	122.1232	
<b>Wiswesser Line Notation QVR</b>			<b>Wiswesser Line Notation QVR</b>		
<b>Evaluation</b>	A		<b>Evaluation</b>	C	
$C_7H_6O_2$ (c)		56POP/KOL	$C_7H_6O_2$ (c)		69JU
Benzoic acid			Benzoic acid		
<b>Heat Capacity</b>	298.15 K,	$C_p = 149.79 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p = 167.40 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 80 to 300 K.			As check on system. Only value at 298 K given.		
<b>Molecular Weight</b>	122.1232		<b>Molecular Weight</b>	122.1232	
<b>Wiswesser Line Notation QVR</b>			<b>Wiswesser Line Notation QVR</b>		
<b>Evaluation</b>	A		<b>Evaluation</b>	B	
$C_7H_6O_2$ (c)		57DAV/STA	$C_7H_6O_2$ (c)		71KON/SU
Benzoic acid			Benzoic acid		
<b>Heat Capacity</b>	298.15 K,	$C_p = 147.02 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p = 146.80 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 20 to 298 K.			One temperature.		
<b>Entropy</b>	298.15 K,	$S = 167.82 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b>	122.1232	
<b>Molecular Weight</b>	122.1232		<b>Wiswesser Line Notation QVR</b>		
<b>Wiswesser Line Notation QVR</b>			<b>Evaluation</b>	B	
<b>Evaluation</b>	B				
$C_7H_6O_2$ (c)			$C_7H_6O_2$ (c)		74MOS/MOI
Benzoic acid			Benzoic acid		
<b>Heat Capacity</b>	298.15 K,		<b>Heat Capacity</b>	301 K,	$C_p = 149 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 20 to 298 K.			One temperature, $\Delta T = 5 \text{ K}$ . Value $\pm 5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .		
<b>Entropy</b>	298.15 K,		<b>Molecular Weight</b>	122.1232	
<b>Molecular Weight</b>	122.1232		<b>Wiswesser Line Notation QVR</b>		
<b>Wiswesser Line Notation QVR</b>			<b>Evaluation</b>	B	
<b>Evaluation</b>	B				

$C_7H_6O_2$ (c)		75STAT/MAT	$C_7H_6O_2$ (c)		93KAJ/TOC
Benzoic acid			Benzoic acid		
<b>Heat Capacity</b>	299.62 K,	$C_p = 147.07 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	300 K,	$C_p = 147.78 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range	12 to 304 K.		Temperature range	19 to 312 K. Unsmoothed experimental datum.	
<b>Molecular Weight</b>	122.1232		<b>Entropy</b>	298.15 K,	$S = 165.71 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b>	QVR		<b>Molecular Weight</b>	122.1232	
<b>Evaluation</b>	A		<b>Wiswesser Line Notation</b>	QVR	
<b>Evaluation</b>	A		<b>Evaluation</b>	A	
$C_7H_6O_2$ (c)		76ARV/PAI	$C_7H_6O_2$ (liq)		07WAL
Benzoic acid			2-Hydroxybenzaldehyde; Salicylaldehyde		
<b>Heat Capacity</b>	298.15 K,	$C_p = 146.79 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	291 K,	$C_p = 222 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range	6 to 341 K.		One temperature.		
<b>Entropy</b>	298.15 K,	$S = 167.73 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b>	122.1232	
<b>Molecular Weight</b>	122.1232		<b>Wiswesser Line Notation</b>	VHR BQ	
<b>Wiswesser Line Notation</b>	QVR		<b>Evaluation</b>	D	
<b>Evaluation</b>	A				
$C_7H_6O_2$ (c)		80AND/CON	$C_7H_6O_3$ (c)		34PAR/LIG
Benzoic acid			Salicylic acid; o-Hydroxybenzoic acid		
<b>Phase Changes</b>			<b>Heat Capacity</b>	288.6 K,	$C_p = 159.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c,l/liq	395.527 K,	$\Delta H = 18062 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 45.67 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Temperature range	96 to 289 K. Value is unsmoothed experimental datum.	
<b>Molecular Weight</b>	122.1232		<b>Entropy</b>	298.15 K,	$S = 178.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b>	QVR		Extrapolation below 90 K. $57.32 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
<b>Evaluation</b>	A		<b>Molecular Weight</b>	138.1226	
			<b>Wiswesser Line Notation</b>	QVR BQ	
			<b>Evaluation</b>	B( $C_p$ ),C(S)	
$C_7H_6O_2$ (c)		82MOR/MAT	$C_7H_6O_3$ (c)		40CAM/CAM
Benzoic acid			Salicylic acid; o-Hydroxybenzoic acid		
<b>Heat Capacity</b>	296.29 K,	$C_p = 146.23 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	293 K,	$C_p = 104.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range	13 to 355 K. NBS SRM 29.		One temperature.		
<b>Molecular Weight</b>	122.1232		<b>Molecular Weight</b>	138.1226	
<b>Wiswesser Line Notation</b>	QVR		<b>Wiswesser Line Notation</b>	QVR BQ	
<b>Evaluation</b>	A		<b>Evaluation</b>	C	
$C_7H_6O_2$ (c)		80SHA/LYU	$C_7H_6O_3$ (c)		86RAB/SHE
Benzoic acid			Salicylic acid; o-Hydroxybenzoic acid		
<b>Heat Capacity</b>	298.15 K,	$C_p = 146.65 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p = 160.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range	20 to 300 K.		Temperature range	5 to 460 K:	
<b>Molecular Weight</b>	122.1232		<b>Entropy</b>	298.15 K,	$S = 172.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b>	QVR		<b>Phase Changes</b>	c/liq	$\Delta H = 24600 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 56.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Evaluation</b>	A		<b>Molecular Weight</b>	138.1226	
			<b>Wiswesser Line Notation</b>	QVR BQ	
			<b>Evaluation</b>	A	
$C_7H_6O_2$ (c)		88TOR/BAR	$C_7H_6O_3$ (c)		93SAB/LE
Benzoic acid			Salicylic acid; o-Hydroxybenzoic acid		
<b>Phase Changes</b>			<b>Phase Changes</b>		
liq/g	335 K,	$\Delta H = 87450 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 261.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	c/liq/g	433 K	$\Delta H = 18200 \text{ J} \cdot \text{mol}^{-1}$
c/g	298.15 K,	$\Delta H = 89230 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 299.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	c/liq		$\Delta H = 96270 \text{ J} \cdot \text{mol}^{-1}$
<b>Molecular Weight</b>	122.1232		<b>Molecular Weight</b>	138.1226	
<b>Wiswesser Line Notation</b>	QVR		<b>Wiswesser Line Notation</b>	QVR BQ	
<b>Evaluation</b>	A		<b>Evaluation</b>	B	
$C_7H_6O_2$ (c)		92SOR/KAJ	$C_7H_6O_3$ (c)		
Benzoic acid			Salicylic acid; o-Hydroxybenzoic acid		
<b>Heat Capacity</b>	298.902 K,	$C_p = 147.03 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Phase Changes</b>		
Temperature range	15 to 305 K. Unsmoothed experimental datum.		c/liq/g	433 K	
<b>Molecular Weight</b>	122.1232		c/liq		$\Delta H = 18200 \text{ J} \cdot \text{mol}^{-1}$
<b>Wiswesser Line Notation</b>	QVR		c/g	298.15 K	$\Delta H = 96270 \text{ J} \cdot \text{mol}^{-1}$
<b>Evaluation</b>	A		<b>Molecular Weight</b>	138.1226	
			<b>Wiswesser Line Notation</b>	QVR BQ	
			<b>Evaluation</b>	B	

$C_7H_6O_3$ (c)		34PAR/LIG	$C_7H_7F$ (liq)		90MEV/LI
m-Hydroxybenzoic acid			3-Fluorotoluene		
<b>Heat Capacity</b>	288.4 K,	$C_p = 157.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Phase Changes</b>		
Temperature range 94 to 288 K. Value is unsmoothed experimental datum.			c/liq	183.95 K,	$\Delta H = 8300 \text{ J} \cdot \text{mol}^{-1}$
<b>Entropy</b>	298.15 K,	$S = 177.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			$\Delta S = 45 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Extrapolation below 90 K, $56.48 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .					
<b>Molecular Weight</b>	138.1226		<b>Molecular Weight</b>	110.1307	
<b>Wiswesser Line Notation</b>	QVR CQ		<b>Wiswesser Line Notation</b>	FR C1	
<b>Evaluation</b>	B( $C_p$ ),C(S)		<b>Evaluation</b>	A	
$C_7H_6O_3$ (c)		93SAB/LE	$C_7H_7F$ (liq)		62GOO/LA
m-Hydroxybenzoic acid			4-Fluorotoluene		
<b>Phase Changes</b>			<b>Heat Capacity</b>	298.15 K,	$C_p = 172.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c/liq/g	475 K		One temperature.		
c/liq		$\Delta H = 26200 \text{ J} \cdot \text{mol}^{-1}$	<b>Molecular Weight</b>	110.1307	
c/g	298.15 K	$\Delta H = 124990 \text{ J} \cdot \text{mol}^{-1}$	<b>Wiswesser Line Notation</b>	FR D1	
<b>Molecular Weight</b>	138.1226		<b>Evaluation</b>	B	
<b>Wiswesser Line Notation</b>	QVR CQ				
<b>Evaluation</b>	B				
$C_7H_6O_3$ (c)		34PAR/LIG	$C_7H_7F$ (liq)		62SCO/MF
p-Hydroxybenzoic acid			4-Fluorotoluene		
<b>Heat Capacity</b>	283.8 K,	$C_p = 155.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p = 171.17 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 95 to 284 K. Value is unsmoothed experimental datum.			Temperature range 13 to 361 K.		$S = 237.11 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Entropy</b>	298.15 K,	$S = 175.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Entropy</b>	298.15 K,	
Extrapolation below 90 K, $55.35 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .			<b>Phase Changes</b>		
<b>Molecular Weight</b>	138.1226		c/liq	216.49 K,	$\Delta H = 9351 \text{ J} \cdot \text{mol}^{-1}$
<b>Wiswesser Line Notation</b>	QVR DQ				$\Delta S = 43.19 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Evaluation</b>	B( $C_p$ ),C(S)		<b>Molecular Weight</b>	110.1307	
$C_7H_6O_3$ (c)		93SAB/LE	<b>Wiswesser Line Notation</b>	FR D1	
p-Hydroxybenzoic acid			<b>Evaluation</b>	A	
<b>Phase Changes</b>					
c/g	298.15 K	$\Delta H = 114050 \text{ J} \cdot \text{mol}^{-1}$			
<b>Molecular Weight</b>	138.1226				
<b>Wiswesser Line Notation</b>	QVR DQ				
<b>Evaluation</b>	B				
$C_7H_6O_3$ (c)		81LEB/RYA	$C_7H_7F$ (liq)		90MEV/L
3,4-Dihydroxybenzaldehyde			4-Fluorotoluene		
<b>Heat Capacity</b>		$C_p = 205.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p = 173.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 298 to 413 K. Data given over temperature range.			Temperature range 216 to 298 K.	$C_p(\text{liq}) = 164.969 + 0.35t$	$\text{J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ ( $-57$ to $25^\circ\text{C}$ ).
<b>Molecular Weight</b>	138.1226		<b>Phase Changes</b>		
<b>Wiswesser Line Notation</b>	VHR CQ DQ		c/liq	215.55 K,	$\Delta H = 8800 \text{ J} \cdot \text{mol}^{-1}$
<b>Evaluation</b>	B				$\Delta S = 41 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
$C_7H_7Cl$ (liq)		31SMI/AND	<b>Molecular Weight</b>	110.1307	
Benzyl chloride; $\alpha$ -Chlorotoluene; Phenylchloromethane			<b>Wiswesser Line Notation</b>	FR D1	
<b>Heat Capacity</b>	298.5 K,	$C_p = 192.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Evaluation</b>	A	
Temperature range 102 to 299 K. Value is unsmoothed experimental datum.					
<b>Molecular Weight</b>	126.5853				
<b>Wiswesser Line Notation</b>	G1R				
<b>Evaluation</b>	C				
$C_7H_7F$ (liq)		90MEV/LIC	$C_7H_7NO$ (c)		90STE/C
2-Fluorotoluene			Benzamide		
<b>Phase Changes</b>			<b>Heat Capacity</b>	298.15 K,	$C_p = 153.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c/liq	210.65 K,	$\Delta H = 9800 \text{ J} \cdot \text{mol}^{-1}$	Temperature range 315 to 475 K. C/R(c) = 0.067T - 1.51 (315		
		$\Delta S = 46.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	375 K); C/R(liq) = 0.0288T + 21.03 (415 to 475 K). R = 8.31441		
<b>Molecular Weight</b>	110.1307		<b>Phase Changes</b>		
<b>Wiswesser Line Notation</b>	FR B1		c/liq	403 K,	$\Delta H = 23760 \text{ J} \cdot \text{mol}^{-1}$
<b>Evaluation</b>	A				
$C_7H_7NO_2$ (liq)		34KOL/UD	<b>Molecular Weight</b>	121.1384	
2-Nitrotoluene			<b>Wiswesser Line Notation</b>	ZVR	
<b>Heat Capacity</b>			<b>Evaluation</b>	B	
			$C_7H_7NO_2$ (liq)		34KOL/UD
			2-Nitrotoluene		
			<b>Heat Capacity</b>	302.3 K,	$C_p = 202.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
			One temperature.		
			<b>Molecular Weight</b>	137.1378	
			<b>Wiswesser Line Notation</b>	WNR B1	
			<b>Evaluation</b>	C	

$C_7H_7NO_2$ (liq)		34KOL/UDO	$C_7H_7NO_2$ (c)		41SAT/SOG2
3-Nitrotoluene			3-Aminobenzoic acid		
<b>Heat Capacity</b>	302.4 K,	$C_p = 202.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	323 K,	$C_p = 179.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
One temperature.			Temperature range 0 to 100 °C. Mean value.		
<b>Molecular Weight</b>	137.1378		<b>Molecular Weight</b>	137.1378	
Wiswesser Line Notation WNR C1			Wiswesser Line Notation ZR CVQ		
Evaluation	C		Evaluation	C	
			Same data as 40SAT/SOG3.		
$C_7H_7NO_2$ (c,l)		79RIC/SAV	$C_7H_7NO_2$ (c)		26AND/LYN
4-Nitrotoluene			4-Aminobenzoic acid		
<b>Heat Capacity</b>	298.15 K,	$C_p = 172.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298 K,	$C_p = 177.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 270 to 340 K. Equations only. Data for stable and metastable crystal form.			Temperature range 22 to 190 °C.		
<b>Phase Changes</b>			<b>Phase Changes</b>		
c,II/liq	318.5 K,	$\Delta H = 70781 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 222.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	c/liq	461.4 K,	$\Delta H = 20920 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 45.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Metastable form.					
c,I/liq	324.7 K,	$\Delta H = 69802 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 215.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
<b>Molecular Weight</b>	137.1378		<b>Molecular Weight</b>	137.1378	
Wiswesser Line Notation WNR D1			Wiswesser Line Notation ZR DVQ		
Evaluation	B		Evaluation	C	
$C_7H_7NO_2$ (c)		80AND/CON	$C_7H_7NO_2$ (c)		41SAT/SOG2
4-Nitrotoluene			4-Aminobenzoic acid		
<b>Phase Changes</b>			<b>Heat Capacity</b>	323 K,	$C_p = 187.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c,I/liq	324.788 K,	$\Delta H = 16811 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 51.76 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Temperature range 0 to 100 °C. Mean value.		
<b>Molecular Weight</b>	137.1378		<b>Molecular Weight</b>	137.1378	
Wiswesser Line Notation WNR D1			Wiswesser Line Notation ZR DVQ		
Evaluation	A		Evaluation	C	
			Same data as 40SAT/SOG3.		
$C_7H_7NO_2$ (c)		26AND/LYN	$C_7H_7NO_3$ (c)		81LEB/RYA
2-Aminobenzoic acid			p-Nitroanisole; 4-Nitromethoxybenzene		
<b>Heat Capacity</b>	298 K,	$C_p = 165.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>		$C_p = 279.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 22 to 160 °C.			Temperature range 298 to 320 K. Data given over temperature range.		
<b>Phase Changes</b>			<b>Molecular Weight</b>	153.1372	
c/liq	417.8 K,	$\Delta H = 20380 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 48.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Wiswesser Line Notation WNR DO1		
<b>Molecular Weight</b>	137.1378		Evaluation	B	
Wiswesser Line Notation ZR BVQ					
Evaluation	C				
$C_7H_7NO_2$ (c)		41SAT/SOG2	$C_7H_7NS$ (c)		82SAB/TOR
2-Aminobenzoic acid			Thiobenzamide		
<b>Heat Capacity</b>	323 K,	$C_p = 187.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298 K,	$C_p = 152.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 0 to 100 °C. Mean value.			One temperature. $C_p$ given as 1.114 $\text{J} \cdot \text{K}^{-1} \cdot \text{g}^{-1}$ .		
<b>Molecular Weight</b>	137.1378		<b>Phase Changes</b>		
Wiswesser Line Notation ZR BVQ			c/g	298.15 K,	$\Delta H = 97200 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 326.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Evaluation	C		<b>Molecular Weight</b>	137.1990	
Same data as 40SAT/SOG3.			Wiswesser Line Notation ZYR&US		
$C_7H_7NO_2$ (c)		26AND/LYN	Evaluation	B	
3-Aminobenzoic acid					
<b>Heat Capacity</b>	298 K,	$C_p = 162.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	$C_7H_8$ (liq)		1881REI
Temperature range 22 to 180 °C.			Toluene		
<b>Phase Changes</b>			<b>Heat Capacity</b>	298 K,	$C_p = 158.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c/liq	452.9 K,	$\Delta H = 21840 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 48.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Temperature range 292 to 390 K.		
<b>Molecular Weight</b>	137.1378		<b>Molecular Weight</b>	92.1402	
Wiswesser Line Notation ZR CVQ			Wiswesser Line Notation 1R		
Evaluation	C		Evaluation	D	
$C_7H_8$ (c)		24WIL/DAN	$C_7H_8$ (liq)		
3-Aminobenzoic acid			Toluene		
<b>Heat Capacity</b>	298 K,	$C_p = 153.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	303 K,	$C_p = 153.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 203 to 343 K. Equation only.			Temperature range 303 to 343 K. Equation only.		
<b>Molecular Weight</b>	92.1402		<b>Molecular Weight</b>	92.1402	
Wiswesser Line Notation 1R			Wiswesser Line Notation 1R		
Evaluation	C		Evaluation	C	

$C_7H_8$ (liq)		25WIL/DAN	$C_7H_8$ (liq)		41ZHE
Toluene			Toluene		
<b>Heat Capacity</b>	293.2 K,	$C_p=151.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.1 K,	$C_p=156.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 20 to 60 °C.			Temperature range 5 to 47 °C.		
<b>Molecular Weight</b>	92.1402		<b>Molecular Weight</b>	92.1402	
<b>Wiswesser Line Notation</b>	1R		<b>Wiswesser Line Notation</b>	1R	
<b>Evaluation</b>	B		<b>Evaluation</b>	C	
$C_7H_8$ (liq)		29KEL4	$C_7H_8$ (liq)		42ZIE/ANI
Toluene			Toluene		
<b>Heat Capacity</b>	28.444 K,	$C_p=153.09 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Phase Changes</b>		
Temperature range 14 to 284 K. Value is unsmoothed experimental datum.			c/liq	178.0 K,	$\Delta H=6548 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S=36.79 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Entropy</b>	298.15 K,	$S=219.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b>	92.1402	
<b>Phase Changes</b>			<b>Wiswesser Line Notation</b>	1R	
c/liq	177.95 K,	$\Delta H=6619 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S=37.20 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Evaluation</b>	B	
<b>Molecular Weight</b>	92.1402		 		
<b>Wiswesser Line Notation</b>	1R		 		
<b>Evaluation</b>	A		 		
$C_7H_8$ (liq)		31SMI/AND	$C_7H_8$ (liq)		47KUI
Toluene			Toluene		
<b>Heat Capacity</b>	298.15 K,	$C_p=161.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298 K,	$C_p=158.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 102 to 299 K. Value is unsmoothed experimental datum.			Temperature range -76 to 60 °C, mean $C_p$ , four temperatures.		
<b>Molecular Weight</b>	92.1402		<b>Molecular Weight</b>	92.1402	
<b>Wiswesser Line Notation</b>	1R		<b>Wiswesser Line Notation</b>	1R	
<b>Evaluation</b>	C		<b>Evaluation</b>	D	
$C_7H_8$ (liq)		32RIC/WAL	$C_7H_8$ (liq)		48TS
Toluene			Toluene		
<b>Heat Capacity</b>	298.1 K,	$C_p=156.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	295 K,	$C_p=140 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 293 to 333 K.			One temperature.		
<b>Molecular Weight</b>	92.1402		<b>Molecular Weight</b>	92.1402	
<b>Wiswesser Line Notation</b>	1R		<b>Wiswesser Line Notation</b>	1R	
<b>Evaluation</b>	C		<b>Evaluation</b>	C	
$C_7H_8$ (liq)		35AOY/KAN	$C_7H_8$ (liq)		58SWI/ZIE
Toluene			Toluene		
<b>Heat Capacity</b>	227.8 K,	$C_p=142.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	324 K,	$C_p=166.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 78 to 228 K. Value is unsmoothed experimental datum.			Mean value 21 to 81 °C.		
<b>Molecular Weight</b>	92.1402		<b>Molecular Weight</b>	92.1402	
<b>Wiswesser Line Notation</b>	1R		<b>Wiswesser Line Notation</b>	1R	
<b>Evaluation</b>	B		<b>Evaluation</b>	C	
$C_7H_8$ (liq)		37VOL	$C_7H_8$ (liq)		62SCO/GU
Toluene			Toluene		
<b>Heat Capacity</b>	298 K,	$C_p=156.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p=157.23 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
One temperature.			Temperature range 10 to 360 K.		
<b>Molecular Weight</b>	92.1402		<b>Entropy</b>	298.15 K,	$S=220.96 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b>	1R		<b>Phase Changes</b>	c/liq	$\Delta H=6636 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S=37.25 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Evaluation</b>	B		<b>Molecular Weight</b>	92.1402	
 			<b>Wiswesser Line Notation</b>	1R	
 			<b>Evaluation</b>	A	
$C_7H_8$ (liq)		40BUR	$C_7H_8$ (liq)		66HWA/Z
Toluene			Toluene		
<b>Heat Capacity</b>	298.2 K,	$C_p=157.07 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.711 K,	$C_p=157.33 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 281 to 383 K.			Temperature range 181 to 304 K. Unsmoothed experiment datum.		
<b>Molecular Weight</b>	92.1402		<b>Phase Changes</b>	c/liq	178.159 K
<b>Wiswesser Line Notation</b>	1R		<b>Molecular Weight</b>	92.1402	
<b>Evaluation</b>	B		<b>Wiswesser Line Notation</b>	1R	
 			<b>Evaluation</b>	B	

$C_7H_8$ (liq)		67RAS/GAN	$C_7H_8$ (liq)		77WIL/GRO
Toluene			Toluene		
<b>Heat Capacity</b> 293 K,		$C_p = 158.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,		$C_p = 156.94 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 293 to 373 K.			One temperature.		
<b>Molecular Weight</b> 92.1402			<b>Molecular Weight</b> 92.1402		
<b>Wiswesser Line Notation</b> 1R			<b>Wiswesser Line Notation</b> 1R		
<b>Evaluation</b> C			<b>Evaluation</b> B		
$C_7H_8$ (liq)		71DES/BHA	$C_7H_8$ (liq)		79AND/GRI
Toluene			Toluene		
<b>Heat Capacity</b> 298 K,		$C_p = 156.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 294.71 K,		$C_p = 157.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 298 to 318 K.			Temperature range 293 to 373 K. Unsmoothed experimental datum given as 1.704 KJ/kg·K.		
<b>Molecular Weight</b> 92.1402			<b>Molecular Weight</b> 92.1402		
<b>Wiswesser Line Notation</b> 1R			<b>Wiswesser Line Notation</b> 1R		
<b>Evaluation</b> B			<b>Evaluation</b> B		
$C_7H_8$ (liq)		74RAJ/SUB	$C_7H_8$ (liq)		79FOR/BEN
Toluene			Toluene		
<b>Heat Capacity</b> 298.15 K,		$C_p = 156.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,		$C_p = 157.057 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 298.15 to 323.15 K.			One temperature.		
<b>Molecular Weight</b> 92.1402			<b>Molecular Weight</b> 92.1402		
<b>Wiswesser Line Notation</b> 1R			<b>Wiswesser Line Notation</b> 1R		
<b>Evaluation</b> B			<b>Evaluation</b> B		
$C_7H_8$ (liq)		75HOL/ZIE	$C_7H_8$ (liq)		81ATA/ELS
Toluene			Toluene		
<b>Heat Capacity</b> 298.15 K,		$C_p = 156.99 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 293.15 K,		$C_p = 156.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 165 to 312 K. $C_p = 187.43814 - 0.73026493T + 0.0029613602T^2 - 2.8661704 \times 10^{-6}T^3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			One temperature.		
<b>Phase Changes</b>			<b>Molecular Weight</b> 92.1402		
c/liq 178.166 K			<b>Wiswesser Line Notation</b> 1R		
<b>Molecular Weight</b> 92.1402			<b>Evaluation</b> B		
<b>Wiswesser Line Notation</b> 1R					
<b>Evaluation</b> A					
$C_7H_8$ (liq)		75PED/KAY	$C_7H_8$ (liq)		82GRO/ING
Toluene			Toluene		
<b>Heat Capacity</b> 298.15 K,		$C_p = 158.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,		$C_p = 157.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 298 to 348 K. $C_p(\text{liq}) = 154.73 + 0.0981(T/K - 273.15) + 0.001949(T/K - 273.15)^2 \text{ J/K} \cdot \text{mol}$ (298 to 348 K).			One temperature.		
<b>Molecular Weight</b> 92.1402			<b>Molecular Weight</b> 92.1402		
<b>Wiswesser Line Notation</b> 1R			<b>Wiswesser Line Notation</b> 1R		
<b>Evaluation</b> B			<b>Evaluation</b> A		
$C_7H_8$ (liq)		76FOR/BEN2	$C_7H_8$ (liq)		82WIL/FAR
Toluene			Toluene		
<b>Heat Capacity</b> 298.15 K,		$C_p = 157.026 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,		$C_p = 157.15 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b> 92.1402			One temperature.		
<b>Wiswesser Line Notation</b> 1R			<b>Molecular Weight</b> 92.1402		
<b>Evaluation</b> A			<b>Wiswesser Line Notation</b> 1R		
Data from 76FOR/BEN.			<b>Evaluation</b> B		
$C_7H_8$ (liq)		77FOR/BEN	$C_7H_8$ (liq)		84STE/OLS
Toluene			Toluene		
<b>Heat Capacity</b> 298.15 K,		$C_p = 157.081 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,		$C_p = 158.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
One temperature.			Temperature range 266 to 318 K. $C_p$ given as 0.4117 cal·g <sup>-1</sup> ·C <sup>-1</sup> .		
<b>Molecular Weight</b> 92.1402			<b>Molecular Weight</b> 92.1402		
<b>Wiswesser Line Notation</b> 1R			<b>Wiswesser Line Notation</b> 1R		
<b>Evaluation</b> B			<b>Evaluation</b> B		

$C_7H_8$ (liq)		86RED	$C_7H_8$ (liq)		92KAW/GII
Toluene			Quadracyclane; Tetracyclo[3.2.0.0 <sup>2,7</sup> .0 <sup>4,6</sup> ]heptane		
<b>Heat Capacity</b>	303.15 K,	$C_p=159.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Phase Changes</b>		
Temperature range	303.15, 313.15 K.		c,II/c,I	180 K,	$\Delta S=40.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	92.1402		c,I/liq	228 K,	$\Delta S=4.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b>	1R		<b>Molecular Weight</b>	92.1402	
<b>Evaluation</b>	B		<b>Wiswesser Line Notation</b>	L435 B3 2AB GTJ	
			<b>Evaluation</b>	B	
$C_7H_8$ (liq)		86ROU/GRO	$C_7H_8$ (liq)		73HAL/SN
Toluene			Norbornadiene; Bicyclo[2.2.1]hept-2,5-diene		
<b>Heat Capacity</b>	298.15 K,	$C_p=157.08 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	297 K,	$C_p=116.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
One temperature.			One temperature.		
<b>Molecular Weight</b>	92.1402		<b>Molecular Weight</b>	92.1402	
<b>Wiswesser Line Notation</b>	1R		<b>Wiswesser Line Notation</b>	L55 A CU FUTJ	
<b>Evaluation</b>	B		<b>Evaluation</b>	C	
$C_7H_8$ (liq)		86TAR/AIC	$C_7H_8$ (liq)		78ST
Toluene			Norbornadiene; Bicyclo[2.2.1]hept-2,5-diene		
<b>Heat Capacity</b>	298.15 K,	$C_p=158.70 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p=161.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
One temperature.			One temperature.		
<b>Molecular Weight</b>	92.1402		<b>Molecular Weight</b>	92.1402	
<b>Wiswesser Line Notation</b>	1R		<b>Wiswesser Line Notation</b>	L55 A CU FUTJ	
<b>Evaluation</b>	B		<b>Evaluation</b>	B	
$C_7H_8$ (liq)		88SHI/OGA	$C_7H_8$ (liq)		56FIN/SC
Toluene			Cycloheptatriene		
<b>Heat Capacity</b>	298.15 K,	$C_p=155.96 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p=162.76 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
One temperature.			Temperature range	10 to 320 K.	
<b>Molecular Weight</b>	92.1402		<b>Entropy</b>	298.15 K,	$S=214.64 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b>	1R		<b>Phase Changes</b>		
<b>Evaluation</b>	A		c,II/c,I	153.98 K,	$\Delta H=2346.8 \text{ J} \cdot \text{mol}^{-1}$
					$\Delta S=15.24 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
			c,I/liq	197.92 K,	$\Delta H=1160.6 \text{ J} \cdot \text{mol}^{-1}$
					$\Delta S=5.86 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
$C_7H_8$ (liq)		93GRO/ROU	<b>Molecular Weight</b>	92.1402	
Toluene			<b>Wiswesser Line Notation</b>	L7HJ	
<b>Heat Capacity</b>	298.15 K,	$C_p=157.09 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Evaluation</b>	A	
One temperature.					
<b>Molecular Weight</b>	92.1402				
<b>Wiswesser Line Notation</b>	1R				
<b>Evaluation</b>	B				
$C_7H_8$ (liq)		73HAL/SMI	$C_7H_8N_2O$ (c)		87FER/DI
Quadracyclane; Tetracyclo[3.2.0.0 <sup>2,7</sup> .0 <sup>4,6</sup> ]heptane			Phenylurea; Monophenylurea		
<b>Heat Capacity</b>	297 K,	$C_p=139.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Phase Changes</b>		
One temperature.			c/liq	420.6 K,	$\Delta H=23680 \text{ J} \cdot \text{mol}^{-1}$
<b>Molecular Weight</b>	92.1402				$\Delta S=56.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b>	L435 B3 2AB GTJ		<b>Molecular Weight</b>	136.1530	
<b>Evaluation</b>	C		<b>Wiswesser Line Notation</b>	ZVMR	
			<b>Evaluation</b>	A	
$C_7H_8$ (liq)		78STE	$C_7H_8N_2O_2$ (c)		41SAT/SO
Quadracyclane; Tetracyclo[3.2.0.0 <sup>2,7</sup> .0 <sup>4,6</sup> ]heptane			5-Nitro-2-aminotoluene		
<b>Heat Capacity</b>	298.15 K,	$C_p=157.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	323 K,	$C_p=217.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
One temperature.			Temperature range	0 to 100 °C. Mean value.	
<b>Molecular Weight</b>	92.1402		<b>Molecular Weight</b>	152.1524	
<b>Wiswesser Line Notation</b>	L435 B3 2AB GTJ		<b>Wiswesser Line Notation</b>	ZR B1 DNW	
<b>Evaluation</b>	B		<b>Evaluation</b>	C	
				Same data as 40SAT/SOG4.	

$C_7H_8N_2O_2$ (c)	41SAT/SOG3	$C_7H_8O$ (liq)	1881REI
Anisole; 3-Nitro-4-aminotoluene		Benzyl alcohol	
<b>Heat Capacity</b> 323 K,	$C_p=205.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b> 298 K,	$C_p=220.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 0 to 100 °C. Mean value.		Temperature range 290 to 485 K.	
<b>Molecular Weight</b> 152.1524		<b>Molecular Weight</b> 108.1396	
<b>Wiswesser Line Notation</b> ZR D1 BNW		<b>Wiswesser Line Notation</b> Q1R	
<b>Evaluation</b> C		<b>Evaluation</b> D	
Same data as 40SAT/SOG4.			
$C_7H_8O$ (liq)	1889EYK	$C_7H_8O$ (liq)	31SMI/AND
Anisole; Methyl phenyl ether; Methoxybenzene		Benzyl alcohol	
<b>Phase Changes</b>		<b>Heat Capacity</b> 298.5 K,	$C_p=215.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c/liq 293.2 K,	$\Delta H=17029 \text{ J}\cdot\text{mol}^{-1}$	Temperature range 102 to 299 K. Value is unsmoothed	
	$\Delta S=58.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	experimental datum.	
<b>Molecular Weight</b> 108.1396		<b>Molecular Weight</b> 108.1396	
<b>Wiswesser Line Notation</b> 1OR		<b>Wiswesser Line Notation</b> Q1R	
<b>Evaluation</b> C		<b>Evaluation</b> C	
$C_7H_8O$ (liq)	02LOU	$C_7H_8O$ (liq)	36PAR/TOD
Anisole; Methyl phenyl ether; Methoxybenzene		Benzyl alcohol	
<b>Heat Capacity</b> 360 K,	$C_p=218 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b> 298.1 K,	$C_p=217.86 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Mean value 20 to 152 °C.		Temperature range 90 to 300 K.	
<b>Molecular Weight</b> 108.1396		<b>Entropy</b> 298.1 K,	$S=216.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Wiswesser Line Notation</b> 1OR		Extrapolation below 90 K, 54.06 $\text{J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ .	
<b>Evaluation</b> D		<b>Phase Changes</b>	
 		c/liq 257.6 K,	$\Delta H=8970 \text{ J}\cdot\text{mol}^{-1}$
$C_7H_8O$ (liq)	33KOL/UDO		$\Delta S=34.82 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Anisole; Methyl phenyl ether; Methoxybenzene		<b>Molecular Weight</b> 108.1396	
<b>Heat Capacity</b> 297.2 K,	$C_p=191.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Wiswesser Line Notation</b> Q1R	
One temperature.		<b>Evaluation</b> B( $C_p$ ),C(S)	
<b>Molecular Weight</b> 108.1396		 	
<b>Wiswesser Line Notation</b> 1OR		 	
<b>Evaluation</b> C		 	
$C_7H_8O$ (liq)	39PHI	$C_7H_8O$ (liq)	75NIC/WAD
Anisole; Methyl phenyl ether; Methoxybenzene		Benzyl alcohol	
<b>Heat Capacity</b> 304.8 K,	$C_p=208.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p=215.94 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
One temperature.		One temperature.	
<b>Molecular Weight</b> 108.1396		<b>Molecular Weight</b> 108.1396	
<b>Wiswesser Line Notation</b> 1OR		<b>Wiswesser Line Notation</b> Q1R	
<b>Evaluation</b> C		<b>Evaluation</b> B	
$C_7H_8O$ (liq)	75FEN/HAR	$C_7H_8O$ (liq)	79GRI/YAN
Anisole; Methyl phenyl ether; Methoxybenzene		Benzyl alcohol	
<b>Heat Capacity</b> 298.15 K,	$C_p=199.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b> 307.5 K,	$C_p=223.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
One temperature.		Temperature range 307 to 461 K. p=0.98 bar.	
<b>Molecular Weight</b> 108.1396		<b>Molecular Weight</b> 108.1396	
<b>Wiswesser Line Notation</b> 1OR		<b>Wiswesser Line Notation</b> Q1R	
<b>Evaluation</b> B		<b>Evaluation</b> B	
$C_7H_8O$ (liq)	87GOA/BOE	$C_7H_8O$ (liq)	16BRA
Anisole; Methyl phenyl ether; Methoxybenzene		2-Methylphenol; o-Hydroxytoluene; o-Cresol	
<b>Phase Changes</b>		<b>Heat Capacity</b> 283 K,	$C_p=225.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c/l/liq 268.73 K,	$\Delta H=12890 \text{ J}\cdot\text{mol}^{-1}$	Mean value, 0 to 20 °C.	
	$\Delta S=48.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Molecular Weight</b> 108.1396	
<b>Molecular Weight</b> 108.1396		<b>Wiswesser Line Notation</b> QR B1	
<b>Wiswesser Line Notation</b> 1OR		<b>Evaluation</b> C	
<b>Evaluation</b> A		 	
$C_7H_8O$ (liq)		$C_7H_8O$ (c)	67AND/COU
Anisole; Methyl phenyl ether; Methoxybenzene		2-Methylphenol; o-Hydroxytoluene; o-Cresol	
<b>Phase Changes</b>		<b>Heat Capacity</b> 298.15 K,	$C_p=154.56 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c/l/liq 304.20 K,	$\Delta H=15820 \text{ J}\cdot\text{mol}^{-1}$	Temperature range 10 to 400 K.	
	$\Delta S=52.00 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Entropy</b> 298.15 K,	$S=165.44 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Phase Changes</b>		<b>Phase Changes</b>	
c/liq 304.20 K,	$\Delta H=15820 \text{ J}\cdot\text{mol}^{-1}$	c/liq 304.20 K,	$\Delta H=15820 \text{ J}\cdot\text{mol}^{-1}$
	$\Delta S=52.00 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		$\Delta S=52.00 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b> 108.1396		<b>Molecular Weight</b> 108.1396	
<b>Wiswesser Line Notation</b> QR B1		<b>Wiswesser Line Notation</b> QR B1	
<b>Evaluation</b> A		<b>Evaluation</b> A	

$C_7H_8O$ (liq)	67RAS/GAN	$C_7H_8O$ (liq)	82POE/FAI
2-Methylphenol; o-Hydroxytoluene; o-Cresol		3-Methylphenol; m-Hydroxytoluene; m-Cresol	
<b>Heat Capacity</b> 313 K,	$C_p=233.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Phase Changes</b>	
Temperature range 313 to 373 K.		c/liq	285.0 K, $\Delta H=9413 \text{ J} \cdot \text{mol}^{-1}$
<b>Molecular Weight</b> 108.1396			$\Delta S=33.03 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b> QR B1		<b>Molecular Weight</b> 108.1396	
<b>Evaluation</b> C		<b>Wiswesser Line Notation</b> QR C1	
		<b>Evaluation</b> A	
$C_7H_8O$ (c)	82POE/FAN	$C_7H_8O$ (liq)	90MEV/LI
2-Methylphenol; o-Hydroxytoluene; o-Cresol		3-Methylphenol; m-Hydroxytoluene; m-Cresol	
<b>Phase Changes</b>		<b>Phase Changes</b>	
c/liq	303.0 K, $\Delta H=13938 \text{ J} \cdot \text{mol}^{-1}$	c/liq	280.75 K, $\Delta H=9100 \text{ J} \cdot \text{mol}^{-1}$
	$\Delta S=46.00 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		$\Delta S=32 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b> 108.1396		<b>Molecular Weight</b> 108.1396	
<b>Wiswesser Line Notation</b> QR B1		<b>Wiswesser Line Notation</b> QR C1	
<b>Evaluation</b> A		<b>Evaluation</b> A	
$C_7H_8O$ (c)	90MEV/LIC	$C_7H_8O$ (c)	1889EY
2-Methylphenol; o-Hydroxytoluene; o-Cresol		4-Methylphenol; p-Hydroxytoluene; p-Cresol	
<b>Phase Changes</b>		<b>Phase Changes</b>	
c/liq	304.05 K, $\Delta H=14800 \text{ J} \cdot \text{mol}^{-1}$	c/liq	309 K, $\Delta H=12247 \text{ J} \cdot \text{mol}^{-1}$
	$\Delta S=49 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		$\Delta S=39.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b> 108.1396		<b>Molecular Weight</b> 108.1396	
<b>Wiswesser Line Notation</b> QR B1		<b>Wiswesser Line Notation</b> QR D1	
<b>Evaluation</b> A		<b>Evaluation</b> C	
$C_7H_8O$ (liq)	16BRA	$C_7H_8O$ (c)	67AND/CC
3-Methylphenol; m-Hydroxytoluene; m-Cresol		4-Methylphenol; p-Hydroxytoluene; p-Cresol	
<b>Heat Capacity</b> 283 K, $C_p=216.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K, $C_p=150.25 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Mean value, 0 to 20 °C.		Temperature range 10 to 400 K.	
<b>Molecular Weight</b> 108.1396		Entropy 298.15 K, $S=167.32 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Wiswesser Line Notation</b> QR C1		<b>Phase Changes</b>	
<b>Evaluation</b> C		c/liq	307.94 K, $\Delta H=12707 \text{ J} \cdot \text{mol}^{-1}$
			$\Delta S=41.26 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
 		<b>Molecular Weight</b> 108.1396	
$C_7H_8O$ (liq)	51TSC/KRI	<b>Wiswesser Line Notation</b> QR D1	
3-Methylphenol; m-Hydroxytoluene; m-Cresol		<b>Evaluation</b> A	
<b>Heat Capacity</b> 298 K, $C_p=218.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
One temperature.			
<b>Molecular Weight</b> 108.1396			
<b>Wiswesser Line Notation</b> QR C1			
<b>Evaluation</b> C			
$C_7H_8O$ (liq)	67RAS/GAN	$C_7H_8O$ (c)	67RAS/GA
3-Methylphenol; m-Hydroxytoluene; m-Cresol		4-Methylphenol; p-Hydroxytoluene; p-Cresol	
<b>Heat Capacity</b> 93 K, $C_p=220.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 313 K, $C_p=226.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 293 to 373 K.		Temperature range 313 to 373 K.	
<b>Molecular Weight</b> 108.1396		<b>Molecular Weight</b> 108.1396	
<b>Wiswesser Line Notation</b> QR C1		<b>Wiswesser Line Notation</b> QR D1	
<b>Evaluation</b> C		<b>Evaluation</b> C	
$C_7H_8O$ (liq)	67AND/COU	$C_7H_8O$ (c)	75NIC/W.
3-Methylphenol; m-Hydroxytoluene; m-Cresol		4-Methylphenol; p-Hydroxytoluene; p-Cresol	
<b>Heat Capacity</b> 298.15 K, $C_p=224.93 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K, $C_p=221.03 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 10 to 400 K.		One temperature.	
<b>Entropy</b> 298.15 K, $S=212.59 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Molecular Weight</b> 108.1396	
<b>Phase Changes</b>		<b>Wiswesser Line Notation</b> QR D1	
c/liq	285.40 K, $\Delta H=10707 \text{ J} \cdot \text{mol}^{-1}$	<b>Evaluation</b> B	
	$\Delta S=27.53 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
<b>Molecular Weight</b> 108.1396			
<b>Wiswesser Line Notation</b> QR C1			
<b>Evaluation</b> A			
$C_7H_8O$ (liq)	82POE/F.	$C_7H_8O$ (c)	82POE/F.
3-Methylphenol; p-Hydroxytoluene; p-Cresol		4-Methylphenol; p-Hydroxytoluene; p-Cresol	
<b>Phase Changes</b>		<b>Phase Changes</b>	
c/liq	309.0 K, $\Delta H=11887 \text{ J} \cdot \text{mol}^{-1}$	c/liq	309.0 K, $\Delta H=11887 \text{ J} \cdot \text{mol}^{-1}$
	$\Delta S=38.47 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		$\Delta S=38.47 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b> 108.1396		<b>Molecular Weight</b> 108.1396	
<b>Wiswesser Line Notation</b> QR D1		<b>Wiswesser Line Notation</b> QR D1	
<b>Evaluation</b> A		<b>Evaluation</b> A	

<b>C<sub>7</sub>H<sub>8</sub>O</b> (c)		90MEV/LIC	<b>C<sub>7</sub>H<sub>9</sub>N</b> (liq)		87LES/LIC
4-Methylphenol; p-Hydroxytoluene; p-Cresol			N-Methylaniline		
<b>Heat Capacity</b> 298.15 K,	$C_p = 163.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298 K,	$C_p = 207.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 173 to 353 K. $C_p(c) = 145.401 + 0.616T + 3.728 \times 10^{-3}T^2 + 2.145 \times 10^{-5}T^3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ (-100 to 22 °C). $C_p(\text{liq}) = 232.122 + 0.178T \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ (40 to 80 °C).			Temperature range 220 to 325 K.		
<b>Phase Changes</b>			<b>Phase Changes</b>		
c/liq	307.35 K,	$\Delta H = 11800 \text{ J} \cdot \text{mol}^{-1}$	c/liq	216 K	
		$\Delta S = 38 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
<b>Molecular Weight</b> 108.1396			<b>Molecular Weight</b> 107.1548		
<b>Wiswesser Line Notation</b> QR D1			<b>Wiswesser Line Notation</b> 1MR		
<b>Evaluation</b> A			<b>Evaluation</b> B		
<b>C<sub>7</sub>H<sub>8</sub>O<sub>2</sub></b> (c)		41SAT/SOG3	<b>C<sub>7</sub>H<sub>9</sub>N</b> (liq)		71HAL/BAL
2,5-Dihydroxytoluene			1-Bicyclo[3.1.0]hexyl cyanide; 1-Cyanobicyclo[3.1.0]hexane		
<b>Heat Capacity</b> 323 K,	$C_p = 174.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 297 K,	$C_p = 170.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 0 to 100 °C. Mean value.			One temperature.		
<b>Molecular Weight</b> 124.1390			<b>Molecular Weight</b> 107.1548		
<b>Wiswesser Line Notation</b> QR DQ B1			<b>Wiswesser Line Notation</b> L35TJ ACN		
<b>Evaluation</b> C			<b>Evaluation</b> C		
Same data as 40SAT/SOG4.					
<b>C<sub>7</sub>H<sub>8</sub>O<sub>2</sub>·H<sub>2</sub>O</b> (c)		82VII/GAM	<b>C<sub>7</sub>H<sub>9</sub>N</b> (liq)		86STE/CHI
Orcinol monohydrate; 3,5-Dihydroxytoluene monohydrate			2,3-Dimethylpyridine; 2,3-Lutidine		
<b>Phase Changes</b>			<b>Heat Capacity</b> 298.15 K,	$C_p = 189.55 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
c/liq	328.0 K,	$\Delta H = 26360 \text{ J} \cdot \text{mol}^{-1}$	Temperature range 10 to 450 K.		
		$\Delta S = 80.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Entropy</b> 298.15 K,	$S = 243.70 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Molecular Weight</b> 142.1542			<b>Phase Changes</b>		
<b>Wiswesser Line Notation</b> QR CQ E1 & QH			c,II/c,I	47.350 K	
<b>Evaluation</b> B			c,I/liq	258.565 K	
			<b>Molecular Weight</b> 107.1548		
<b>C<sub>7</sub>H<sub>8</sub>S</b> (liq)		74MES/FIN	<b>Wiswesser Line Notation</b> T6NJ B1 C1		
Methyl phenyl sulfide			<b>Evaluation</b> A		
<b>Heat Capacity</b> 298.15 K,	$C_p = 206.02 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$				
Temperature range 10 to 330 K.			<b>C<sub>7</sub>H<sub>9</sub>N</b> (liq)		86STE/CHI
<b>Entropy</b> 298.15 K,	$S = 252.50 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		2,4-Dimethylpyridine		
<b>Phase Changes</b>			<b>Heat Capacity</b> 298.15 K,	$C_p = 184.76 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
c/liq	256.44 K,	$\Delta H = 14835.8 \text{ J} \cdot \text{mol}^{-1}$	Temperature range 10 to 450 K.		
		$\Delta S = 57.85 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Entropy</b> 298.15 K,	$S = 248.50 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Molecular Weight</b> 124.2002			<b>Phase Changes</b>		
<b>Wiswesser Line Notation</b> 1SR			c,II/c,I	209.415 K	
<b>Evaluation</b> A			<b>Molecular Weight</b> 107.1548		
<b>C<sub>7</sub>H<sub>9</sub>N</b> (liq)		02LOU	<b>Wiswesser Line Notation</b> T6NJ B1 D1		
N-Methylaniline			<b>Evaluation</b> A		
<b>Heat Capacity</b> 380 K,	$C_p = 230 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$				
Mean value 20 to 196 °C.			<b>C<sub>7</sub>H<sub>9</sub>N</b> (liq)		86STE/CHI
<b>Molecular Weight</b> 107.1548			2,5-Dimethylpyridine		
<b>Wiswesser Line Notation</b> 1MR			<b>Heat Capacity</b> 298.15 K,	$C_p = 184.70 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Evaluation</b> D			Temperature range 10 to 450 K.		
<b>C<sub>7</sub>H<sub>9</sub>N</b> (liq)		36KUR/VOS	<b>Entropy</b> 298.15 K,	$S = 248.81 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
N-Methylaniline			<b>Phase Changes</b>		
<b>Heat Capacity</b> 290 K,	$C_p = 230.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		c,II/c,I	182.200 K	
One temperature.			c,I/liq	259.070 K	
<b>Molecular Weight</b> 107.1548			<b>Molecular Weight</b> 107.1548		
<b>Wiswesser Line Notation</b> 1MR			<b>Wiswesser Line Notation</b> T6NJ B1 E1		
<b>Evaluation</b> D			<b>Evaluation</b> A		
<b>C<sub>7</sub>H<sub>9</sub>N</b> (liq)			<b>C<sub>7</sub>H<sub>9</sub>N</b> (liq)		86STE/CHI
N-Methylaniline			2,6-Dimethylpyridine		
<b>Heat Capacity</b> 290 K,	$C_p = 230.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K,	$C_p = 185.17 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
One temperature.			Temperature range 10 to 440 K.		
<b>Molecular Weight</b> 107.1548			<b>Entropy</b> 298.15 K,	$S = 244.24 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Wiswesser Line Notation</b> 1MR			<b>Phase Changes</b>		
<b>Evaluation</b> D			c,II/c,I	35.816 K	
			c,I/liq	267.033 K	
<b>Molecular Weight</b> 107.1548			<b>Molecular Weight</b> 107.1548		
<b>Wiswesser Line Notation</b> 1MR			<b>Wiswesser Line Notation</b> T6NJ B1 F1		
<b>Evaluation</b> D			<b>Evaluation</b> A		

$C_7H_9N$ (liq)	84POD/RAC	$C_7H_9N$ (liq)	34KOL/UDC
3,4-Dimethylpyridine		2-Methylaniline; o-Toluidine	
<b>Heat Capacity</b> 298 K,	$C_p=196 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 302.5 K,	$C_p=209.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 265 to 380 K. Data graphically only. Value given is estimated from graph.		One temperature.	
<b>Molecular Weight</b> 107.1548		<b>Molecular Weight</b> 107.1548	
<b>Wiswesser Line Notation</b> T6NJ C1 D1		<b>Wiswesser Line Notation</b> ZR B1	
<b>Evaluation</b> B		<b>Evaluation</b> C	
Specific heat anomaly with peak at 293.5 K, $\Delta\Delta H=65.6 \text{ J} \cdot \text{mol}^{-1}$ , $\Delta\Delta S=0.16 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ . Temperature range of anomaly is 280 to 310 K.			
$C_7H_9N$ (liq)	86STE/CHI	$C_7H_9N$ (liq)	34KOL/UDO.
3,4-Dimethylpyridine		2-Methylaniline; o-Toluidine	
<b>Heat Capacity</b> 298.15 K,	$C_p=191.84 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 302.5 K,	$C_p=209.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 10 to 450 K.		One temperature.	
<b>Entropy</b> 298.15 K,	$S=240.72 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b> 107.1548	
<b>Phase Changes</b>		<b>Wiswesser Line Notation</b> ZR B1	
c,II/c,I 241.100 K		<b>Evaluation</b> C	
c,I/liq 262.704 K			
<b>Molecular Weight</b> 107.1548			
<b>Wiswesser Line Notation</b> T6NJ C1 D1			
<b>Evaluation</b> A			
$C_7H_9N$ (liq)	86STE/CHI	$C_7H_9N$ (liq)	34RAD/JUI
3,5-Dimethylpyridine		2-Methylaniline; o-Toluidine	
<b>Heat Capacity</b> 298.15 K,	$C_p=184.55 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 288 K,	$C_p=201.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 10 to 450 K.		One temperature.	
<b>Entropy</b> 298.15 K,	$S=241.72 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b> 107.1548	
<b>Phase Changes</b>		<b>Wiswesser Line Notation</b> ZR B1	
c/liq 266.823 K		<b>Evaluation</b> C	
<b>Molecular Weight</b> 107.1548			
<b>Wiswesser Line Notation</b> T6NJ C1 E1			
<b>Evaluation</b> A			
$C_7H_9N$ (liq)	75NIC/WAD	$C_7H_9N$ (liq)	88GUS/MII
Benzylamine; Phenylmethylamine		2-Methylaniline; o-Toluidine	
<b>Heat Capacity</b> 298.15 K,	$C_p=207.18 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 303.15 K,	$C_p=164.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
One temperature.		Temperature range 303 to 463 K. $p=0.1 \text{ MPa}$ . Unsmoothed experimental datum. $C_p(\text{liq})=0.8056+0.0023634T+(0.001736-8.1591\times 10^{-6}T)\text{P kJ/kg}\cdot\text{K}$ (303.15 to 523.15 K, 0.1 to 25 MPa)	
<b>Molecular Weight</b> 107.1548		<b>Molecular Weight</b> 107.1548	
<b>Wiswesser Line Notation</b> Z1R		<b>Wiswesser Line Notation</b> ZR B1	
<b>Evaluation</b> B		<b>Evaluation</b> B	
$C_7H_9N$ (liq)	1881REI	$C_7H_9N$ (liq)	90MEV/LIC
2-Methylaniline; o-Toluidine		2-Methylaniline; o-Toluidine	
<b>Heat Capacity</b> 298 K,	$C_p=211.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Phase Changes</b>	
Temperature range 294 to 485 K.		c/liq 249.55 K,	$\Delta H=8100 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S=32 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b> 107.1548		<b>Molecular Weight</b> 107.1548	
<b>Wiswesser Line Notation</b> ZR B1		<b>Wiswesser Line Notation</b> ZR B1	
<b>Evaluation</b> D		<b>Evaluation</b> A	
$C_7H_9N$ (liq)	02LOU	$C_7H_9N$ (liq)	34KOL/UDC
2-Methylaniline; o-Toluidine		3-Methylaniline; m-Toluidine	
<b>Heat Capacity</b> 380 K,	$C_p=234 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 302.7 K,	$C_p=216.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Mean value 20 to 196 °C.		One temperature.	
<b>Molecular Weight</b> 107.1548		<b>Molecular Weight</b> 107.1548	
<b>Wiswesser Line Notation</b> ZR B1		<b>Wiswesser Line Notation</b> ZR C1	
<b>Evaluation</b> D		<b>Evaluation</b> C	
$C_7H_9N$ (liq)		$C_7H_9N$ (liq)	34KOL/UDO
3-Methylaniline; m-Toluidine		3-Methylaniline; m-Toluidine	
<b>Heat Capacity</b> 302.7 K,		<b>Heat Capacity</b> 302.7 K,	$C_p=216.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
One temperature.		<b>Molecular Weight</b> 107.1548	
<b>Molecular Weight</b> 107.1548		<b>Wiswesser Line Notation</b> ZR C1	
<b>Wiswesser Line Notation</b> ZR B1		<b>Evaluation</b> C	
<b>Evaluation</b> D			

<b>C<sub>7</sub>H<sub>9</sub>N</b> (liq)		88GUS/MIR	<b>C<sub>7</sub>H<sub>9</sub>NO</b> (c)		82KIS/SAN
3-Methylaniline; m-Toluidine			Aniline· formaldehyde		
<b>Heat Capacity</b> 303.15 K,	$C_p=167.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b>	$C_p=132.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 303 to 463 K. $p=0.1 \text{ MPa}$ . Unsmoothed experimental datum. $C_p(\text{liq})=0.8666+0.0022600+(0.0007010-6.0538 \times 10^{-6}T) \text{ P kJ/kg} \cdot \text{K}$ (303.15 to 523.25 K, 0.1 to 25 MPa).			Temperature range 298 to 303 K. $C_p$ data given as 1.0736 J·K <sup>-1</sup> ·g <sup>-1</sup> over a 25 to 30 °C temperature range.		
<b>Molecular Weight</b> 107.1548			<b>Molecular Weight</b> 123.1542		
Wiswesser Line Notation ZR C1			Wiswesser Line Notation ZR & VH		
<b>Evaluation</b> B			<b>Evaluation</b> C		
			$C_p$ data given for 1:1 molar proportion of aniline formaldehyde. $C_p$ data also given for the solid compounds of molar proportion: 1:2, 1:3, 1:4, 1:4.5, 1:4.75, 1:5, 1:7, 2:1 and 4:1.		
<b>C<sub>7</sub>H<sub>9</sub>N</b> (liq)		90MEV/LIC	<b>C<sub>7</sub>H<sub>9</sub>NO<sub>2</sub></b> (c)		39SAT/SOG2
3-Methylaniline; m-Toluidine			Ammonium benzoate		
<b>Phase Changes</b>			<b>Heat Capacity</b> 323 K,	$C_p=212.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
c/liq 241.65 K,	$\Delta H=8800 \text{ J} \cdot \text{mol}^{-1}$		Temperature range 0 to 100 °C. Mean value.		
$\Delta S=36 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			<b>Molecular Weight</b> 129.1536		
<b>Molecular Weight</b> 107.1548			Wiswesser Line Notation QVR & ZH		
Wiswesser Line Notation ZR C1			<b>Evaluation</b> C		
<b>Evaluation</b> A			Same data in 40SAT/SOG.		
<b>C<sub>7</sub>H<sub>9</sub>N</b> (c)		1889EYK	<b>C<sub>7</sub>H<sub>10</sub></b> (c)		73HAL/SMI
4-Methylaniline; p-Toluidine			Nortricyclene; Tricyclo[2.2.1.0 <sup>2,6</sup> ]heptane		
<b>Phase Changes</b>			<b>Heat Capacity</b> 297 K,	$C_p=110.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
c/liq 315.6 K,	$\Delta H=17280 \text{ J} \cdot \text{mol}^{-1}$		One temperature.		
<b>Molecular Weight</b> 107.1548			<b>Molecular Weight</b> 94.1560		
Wiswesser Line Notation ZR D1			Wiswesser Line Notation L535 B 1A GTJ		
<b>Evaluation</b> C			<b>Evaluation</b> C		
<b>C<sub>7</sub>H<sub>9</sub>N</b> (c)		40CAM/CAM	<b>C<sub>7</sub>H<sub>10</sub></b> (c)		78STE
4-Methylaniline; p-Toluidine			Nortricyclene; Tricyclo[2.2.1.0 <sup>2,6</sup> ]heptane		
<b>Heat Capacity</b> 293 K,	$C_p=124.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K,	$C_p=129.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
One temperature.			One temperature.		
<b>Molecular Weight</b> 107.1548			<b>Molecular Weight</b> 94.1560		
Wiswesser Line Notation ZR D1			Wiswesser Line Notation L535 B 1A GTJ		
<b>Evaluation</b> C			<b>Evaluation</b> B		
<b>C<sub>7</sub>H<sub>9</sub>N</b> (c)		90MEV/LIC	<b>C<sub>7</sub>H<sub>10</sub></b> (c)		73HAL/SMI
4-Methylaniline; p-Toluidine			Norbornene; Bicyclo[2.2.1]heptene		
<b>Heat Capacity</b> 298.15 K,	$C_p=165.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 297 K,	$C_p=129.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 273 to 368 K. $C_p(c)=147.505+0.604T+3.525 \times 10^{-3}T^2+2.351 \times 10^{-5}T^3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ (-100 to 30 °C). $C_p(\text{liq})=212.982+0.182T \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ (50 to 95 °C).			One temperature.		
<b>Phase Changes</b>			<b>Molecular Weight</b> 94.1560		
c/liq 316.55 K,	$\Delta H=17300 \text{ J} \cdot \text{mol}^{-1}$		Wiswesser Line Notation L55 A CUTJ		
$\Delta S=55 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			<b>Evaluation</b> C		
<b>Molecular Weight</b> 107.1548					
Wiswesser Line Notation ZR D1					
<b>Evaluation</b> A					
<b>C<sub>7</sub>H<sub>9</sub>NO</b> (c)		81LEB/RYA	<b>C<sub>7</sub>H<sub>10</sub></b> (liq)		78STE
p-Anisidine			Norbornene; Bicyclo[2.2.1]heptene		
<b>Heat Capacity</b>			<b>Heat Capacity</b> 298.15 K,	$C_p=129.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
	$C_p=236.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		One temperature.		
Temperature range 298 to 320 K. Data given over temperature range.			<b>Molecular Weight</b> 94.1560		
<b>Molecular Weight</b> 123.1542			Wiswesser Line Notation L55 A CUTJ		
Wiswesser Line Notation ZR D01			<b>Evaluation</b> B		
<b>Evaluation</b> B					
<b>C<sub>7</sub>H<sub>10</sub>CIN</b> (c)			<b>C<sub>7</sub>H<sub>10</sub>CIN</b> (c)		89VAN/WHI
Phenylmethylammonium chloride			Phenylmethylammonium chloride		
<b>Phase Changes</b>			<b>Heat Capacity</b> 416 K,	$\Delta H=4240 \text{ J} \cdot \text{mol}^{-1}$	
c.II/c.I			$\Delta S=1.23 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
<b>Molecular Weight</b> 143.6157					
Wiswesser Line Notation ZIR & GH					
<b>Evaluation</b> A					

$C_7H_{10}N_2O$ (c)		80BYS	$C_7H_{11}N$ (liq)	91KIS/PIN
6,7-Diazatricyclo[3.2.2.0 <sup>2,4</sup> ]non-6-ene N-oxide			Cyclohexyl isocyanide; Isocyanocyclohexane	
<b>Phase Changes</b>			<b>Heat Capacity</b>	
c,II/c,I	372.6 K,	$\Delta H=15800\text{ J}\cdot\text{mol}^{-1}$ $\Delta S=42.4\text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	Temperature range 5 to 300 K. Data given graphically. $C_p(\text{liq})=195\text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ is a graphical estimate.	
c,I/liq	411.4 K,	$\Delta H=2600\text{ J}\cdot\text{mol}^{-1}$ $\Delta S=6.32\text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		
<b>Molecular Weight</b>	138.1692		<b>Phase Changes</b>	
<b>Wiswesser Line Notation</b>	T366/DI 2AC I ENUNTJ EUO		c,II/c,I	192.6 K, $\Delta H=6177\text{ J}\cdot\text{mol}^{-1}$ $\Delta S=32.07\text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Evaluation</b>	A		c,I/liq	279.6 K, $\Delta H=4227\text{ J}\cdot\text{mol}^{-1}$ $\Delta S=15.12\text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
$C_7H_{10}N_2O_2$ (c)		84ZIE/ZIE	<b>Molecular Weight</b>	109.1706
1,3,6-Trimethyluracil			<b>Wiswesser Line Notation</b>	L6TJ ANC
<b>Phase Changes</b>			<b>Evaluation</b>	A
c/liq	384.5 K,	$\Delta H=21200\text{ J}\cdot\text{mol}^{-1}$ $\Delta S=55.1\text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	T(glass-1)=160 K; T(glass-2)=130 K; T(glass-3)=55 K.	
<b>Molecular Weight</b>	154.1682		$C_7H_{12}$ (liq)	70CHA/MCC
<b>Wiswesser Line Notation</b>	T6NVNVJ A1 C1 F1		cis-Bicyclo[4.1.0]heptane	
<b>Evaluation</b>	B		<b>Heat Capacity</b>	315 K, $C_p=187.9\text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>One temperature.</b>			<b>Molecular Weight</b>	96.1718
$C_7H_{10}N_2O_3$ (c)		89VAN/WHI	<b>Wiswesser Line Notation</b>	L36TJ -C
Phenylmethylammonium nitrate			<b>Evaluation</b>	B
<b>Phase Changes</b>			$C_7H_{12}$ (c)	78STE
c,II/c,I	227 K,	$\Delta H=900\text{ J}\cdot\text{mol}^{-1}$ $\Delta S=0.48\text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	Norbornane: Bicyclo[2.2.1]heptane	
<b>Molecular Weight</b>	170.1676		<b>Heat Capacity</b>	298.15 K, $C_p=151.0\text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Wiswesser Line Notation</b>	Z1R & WNQ		<b>One temperature.</b>	
<b>Evaluation</b>	A		<b>Molecular Weight</b>	96.1718
<b>Wiswesser Line Notation</b>	Q7		<b>Wiswesser Line Notation</b>	L55 ATJ
<b>Evaluation</b>	B		<b>Evaluation</b>	B
$C_7H_{10}O$ (liq)		88AND/PAT	$C_7H_{12}$ (liq)	79FUC/PEA
1-Heptanol; n-Heptyl alcohol			1-Ethylcyclopentene	
<b>Heat Capacity</b>	298.15 K,	$C_p=272.29\text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K, $C_p=188.3\text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
One temperature.			<b>One temperature.</b>	
<b>Molecular Weight</b>	116.2028		<b>Molecular Weight</b>	96.1718
<b>Wiswesser Line Notation</b>	Q7		<b>Wiswesser Line Notation</b>	L5UTJ A2
<b>Evaluation</b>	B		<b>Evaluation</b>	B
$C_7H_{11}N$ (liq)		71HAL/BAL	$C_7H_{12}$ (liq)	79FUC/PEA
Cyclohexyl cyanide; Cyanocyclohexane			Ethyldiene cyclopentane	
<b>Heat Capacity</b>	297 K,	$C_p=177.9\text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K, $C_p=181.2\text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
One temperature.			<b>One temperature.</b>	
<b>Molecular Weight</b>	109.1706		<b>Molecular Weight</b>	96.1718
<b>Wiswesser Line Notation</b>	L6TJ ACN		<b>Wiswesser Line Notation</b>	L5YTJ AU2
<b>Evaluation</b>	C		<b>Evaluation</b>	B
$C_7H_{11}N$ (liq)		91KIS/PIN	$C_7H_{12}$ (liq)	79FUC/PEA
Cyclohexyl cyanide; Cyanocyclohexane			4-Methylcyclohexene	
<b>Phase Changes</b>			<b>Heat Capacity</b>	298.15 K, $C_p=180.42\text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c,II/c,I	215.0 K,	$\Delta H=7425\text{ J}\cdot\text{mol}^{-1}$ $\Delta S=34.5\text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	Temperature range 13.4 to 350 K.	
c,I/liq	285.1 K,	$\Delta H=3635\text{ J}\cdot\text{mol}^{-1}$ $\Delta S=12.75\text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Entropy</b>	298.15 K, $S=253.01\text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b>	109.1706		<b>Molecular Weight</b>	96.1718
<b>Wiswesser Line Notation</b>	L6TJ ACN		<b>Wiswesser Line Notation</b>	L6UTJ D1
<b>Evaluation</b>	A		<b>Evaluation</b>	A
Data cited in 91KIS/PIN is from: Pinvidic, J.-J.: Ph.D. Thesis. Universite de Paris Sud (1988).			$C_7H_{12}$ (liq)	88LEB/KUI
			Methylenecyclohexane	
			<b>Heat Capacity</b>	298.15 K, $C_p=177.4\text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
			<b>One temperature.</b>	
			<b>Molecular Weight</b>	96.1718
			<b>Wiswesser Line Notation</b>	L6YTJ AU1
			<b>Evaluation</b>	B

<b>C<sub>7</sub>H<sub>12</sub></b> (liq)	90HAI/GIL2	<b>C<sub>7</sub>H<sub>12</sub>O</b> (liq)	24HER/BLO
Cycloheptene		4-Methylcyclohexanone	
<b>Phase Changes</b>		<b>Heat Capacity</b> 290 K,	$C_p=207.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c,III/c,II 154 K,	$\Delta H=5280 \text{ J}\cdot\text{mol}^{-1}$	One temperature.	
c,II/c,I 210 K,	$\Delta S=34.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Molecular Weight</b> 122.1712	
c,I/liq 217 K,	$\Delta H=710 \text{ J}\cdot\text{mol}^{-1}$	<b>Wiswesser Line Notation</b> L6VTJ D1	
	$\Delta S=3.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Evaluation</b> C	
	$\Delta H=970 \text{ J}\cdot\text{mol}^{-1}$		
	$\Delta S=4.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		
<b>Molecular Weight</b> 96.1718		<b>C<sub>7</sub>H<sub>12</sub>O<sub>2</sub></b> (liq)	85KAR/ABD2
<b>Wiswesser Line Notation</b> L7UTJ		Butyl acrylate	
<b>Evaluation</b> B		<b>Phase Changes</b>	
		c/liq 209.5 K,	$\Delta H=17307 \text{ J}\cdot\text{mol}^{-1}$
			$\Delta S=82.61 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>C<sub>7</sub>H<sub>12</sub></b> (liq)	89LEB/SMI	<b>Molecular Weight</b> 128.1706	
cis-Cycloheptene		<b>Wiswesser Line Notation</b> 4OV1U1	
<b>Heat Capacity</b> 298.15 K,	$C_p=171.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Evaluation</b> A	
Temperature range 0 to 310 K.			
<b>Entropy</b> 298.15 K,	$S=241.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>C<sub>7</sub>H<sub>12</sub>O<sub>2</sub></b> (liq)	85KAR/SAI
<b>Phase Changes</b>		Butyl acrylate	
c,III/c,II 154.22 K,	$\Delta H=7070 \text{ J}\cdot\text{mol}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p=251.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
	$\Delta S=45.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	Temperature range 90 to 300 K. $C_p(c)=155.53+5.53T \text{ J/kg}\cdot\text{K}$	
c,II/c,I 208.26 K,	$\Delta H=730 \text{ J}\cdot\text{mol}^{-1}$	(100 to 175 K); $C_p(\text{liq})=1290.27+2.24T \text{ J/kg}\cdot\text{K}$ (209.5 to 300 K).	
c,I/liq 217.75 K,	$\Delta S=3.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	$C_p$ data calculated from equation.	
	$\Delta H=820 \text{ J}\cdot\text{mol}^{-1}$	<b>Phase Changes</b>	
	$\Delta S=4.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	c/liq 209.5 K	
<b>Molecular Weight</b> 96.1718		<b>Molecular Weight</b> 128.1706	
<b>Wiswesser Line Notation</b> L7UTJ -C		<b>Wiswesser Line Notation</b> 4OV1U1	
<b>Evaluation</b> A		<b>Evaluation</b> B	
T <sub>1</sub> (glass)=97 K; T <sub>2</sub> (glass)=135 K.			
<b>(C<sub>7</sub>H<sub>12</sub>)<sub>n</sub></b> (liq)	80LEB/MUK	<b>C<sub>7</sub>H<sub>12</sub>O<sub>4</sub></b> (liq)	92VER/BEC
Butadiene-propylene copolymer		Dimethylmalonic acid dimethyl ester	
<b>Heat Capacity</b> 298.15 K,	$C_p=192.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p=259.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 8 to 330 K.		One temperature.	
<b>Entropy</b> 298.15 K,	$S=209.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Molecular Weight</b> 160.1694	
<b>Phase Changes</b>		<b>Wiswesser Line Notation</b> 1OVX1&1&VO1	
c/liq 262 K,	$\Delta H=7800 \text{ J}\cdot\text{mol}^{-1}$	<b>Evaluation</b> B	
	$\Delta S=29.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		
100% crystallinity.		<b>C<sub>7</sub>H<sub>12</sub>O<sub>4</sub></b> (c)	74CIN/BER
<b>Molecular Weight</b> 96.1718		Pimelic acid	
<b>Wiswesser Line Notation</b> /*1Y1&2U2*/		<b>Phase Changes</b>	
<b>Evaluation</b> A		c,II/c,I 369.0 K,	$\Delta H=1322 \text{ J}\cdot\text{mol}^{-1}$
T(glass)=198 K.		c,I/liq 377.5 K,	$\Delta S=3.60 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
			$\Delta H=27623 \text{ J}\cdot\text{mol}^{-1}$
			$\Delta S=73.18 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>C<sub>7</sub>H<sub>12</sub>O</b> (liq)	24HER/BLO	<b>Molecular Weight</b> 160.1694	
2-Methylcyclohexanone		<b>Wiswesser Line Notation</b> QV5VQ	
<b>Heat Capacity</b> 290 K,	$C_p=204.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Evaluation</b> B	
One temperature.			
<b>Molecular Weight</b> 122.1712		<b>C<sub>7</sub>H<sub>12</sub>O<sub>4</sub></b> (c)	88PET/TSY
<b>Wiswesser Line Notation</b> L6VTJ B1		Pimelic acid	
<b>Evaluation</b> C		<b>Phase Changes</b>	
		c,II/c,I 369.7 K,	$\Delta H=1000 \text{ J}\cdot\text{mol}^{-1}$
			$\Delta S=2.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>C<sub>7</sub>H<sub>12</sub>O</b> (liq)	24HER/BLO	<b>Molecular Weight</b> 160.1694	
3-Methylcyclohexanone		<b>Wiswesser Line Notation</b> QV5VQ	
<b>Heat Capacity</b> 290 K,	$C_p=207.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Evaluation</b> A	
One temperature.			
<b>Molecular Weight</b> 122.1712		<b>C<sub>7</sub>H<sub>12</sub>O<sub>4</sub></b> (liq)	33KOL/UDO
<b>Wiswesser Line Notation</b> L6VTJ C1		Diethyl malonate	
<b>Evaluation</b> C		<b>Heat Capacity</b> 294.6 K,	$C_p=284.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
		One temperature.	
		<b>Molecular Weight</b> 160.1694	
		<b>Wiswesser Line Notation</b> 2OV1VO2	
		<b>Evaluation</b> C	

$C_7H_{12}O_4$ (liq)		34KOL/UDO2	$C_p = 284.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	$C_7H_{13}NO$ (c)		62KOL/PAI
Diethyl malonate				$\zeta$ -Enantholactam		
<b>Heat Capacity</b>	294.6 K,			<b>Heat Capacity</b>	295.00 K,	$C_p = 205.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
One temperature.				Temperature range	60 to 350 K.	
<b>Molecular Weight</b>	160.1694			<b>Entropy</b>	298.15 K,	$S = 190.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Wiswesser Line Notation	2OV1VO2			<b>Phase Changes</b>	c/liq	$\Delta H = 13376 \text{ J}\cdot\text{mol}^{-1}$
Evaluation	C					$\Delta S = 43.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
$C_7H_{12}O_4$ (liq)		92VER/BEC		<b>Molecular Weight</b>	127.1835	
Diethyl malonate				Wiswesser Line Notation	T8MVTJ	
<b>Heat Capacity</b>	298.15 K,			Evaluation	B	
One temperature.				$C_7H_{13}N_3O_4$ (c)		89KUL/KO
<b>Molecular Weight</b>	160.1694			$\alpha$ -Alanylasparagine (DL)		
Wiswesser Line Notation	2OV1VO2			<b>Heat Capacity</b>	298 K,	$C_p = 256.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Evaluation	B			Temperature range	298 to 348 K.	
$C_7H_{13}LiO_2$ (c)		85FRA/WES		<b>Molecular Weight</b>	203.1974	
Lithium heptanoate				Wiswesser Line Notation	ZY1&VMYVQ1VZ	
<b>Heat Capacity</b>	298.15 K,			Evaluation	C	
Temperature range 5 to 350 K.				$C_7H_{13}N_3O_4$ (c)		89KUL/KO
<b>Entropy</b>	298.15 K,			$\alpha$ -Alanylglycylglycine		
<b>Phase Changes</b>	c,II/c,I			<b>Heat Capacity</b>	298 K,	$C_p = 236.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
	317.08 K,			Temperature range	298 to 348 K.	
<b>Molecular Weight</b>	136.1195			<b>Molecular Weight</b>	203.1974	
Wiswesser Line Notation	OV6 .LI			Wiswesser Line Notation	ZY1VNVI1V1VQ	
Evaluation	A			Evaluation	C	
$C_7H_{13}LiO_2$ (c)		86FRA/NGE		$C_7H_{13}N_3O_4$ (c)		90BAD/KU
Lithium heptanoate				Alanylglucylglycine (DL)		
<b>Heat Capacity</b>	300 K,			<b>Heat Capacity</b>	298 K,	$C_p = 236 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 5 to 350 K.				Temperature range	298, 313, 333, 348 K.	
<b>Entropy</b>	300 K,			<b>Molecular Weight</b>	203.1974	
<b>Phase Changes</b>	c,II/c,I			Wiswesser Line Notation	ZY1&VM1VM1VQ -DL	
	317.08 K,			Evaluation	D	
<b>Molecular Weight</b>	136.1195			$C_7H_{13}N_3O_4 \cdot H_2O$ (c)		90BAD/KU
Wiswesser Line Notation	OV6 .LI			Alanylglucylglycine hydrate (DL)		
Evaluation	A			<b>Heat Capacity</b>	298 K,	$C_p = 256 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
				Temperature range	298, 313, 333, 348 K.	
$C_7H_{13}N$ (c,I)		70WES/WON		<b>Molecular Weight</b>	221.2126	
1-Azabicyclo[2.2.2]octane; Quinuclidine				Wiswesser Line Notation	ZY1&VMY1VZVQ &QH -DL	
<b>Heat Capacity</b>	298.15 K,			Evaluation	D	
Temperature range 5 to 433 K.				$C_7H_{13}O_2Tl$ (c)		76MEI/SE
<b>Entropy</b>	298.15 K,			Thallium heptanoate		
<b>Phase Changes</b>	c,II/c,I			<b>Phase Changes</b>		
	196 K,			c,II/c,I	299 K,	$\Delta H = 2761 \text{ J}\cdot\text{mol}^{-1}$
						$\Delta S = 9.20 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
				c,I/liq	419 K,	$\Delta H = 6276 \text{ J}\cdot\text{mol}^{-1}$
						$\Delta S = 15.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Transition region 190 to 200 K; maximum at 196 K. Entropy						
change obtained by difference of integrated heat input and lattice						
(extrapolated $C_p$ ) contribution.						
c,I/liq	430 K,					
<b>Molecular Weight</b>	111.1864					
Wiswesser Line Notation	T66 A B CNTJ					
Evaluation	A					
$C_7H_{13}NO$ (c)		59KOL/PAU		$C_7H_{13}O_2Tl$ (c)		84FER/LC
$\zeta$ -Enantholactam				Thallium heptanoate		
<b>Heat Capacity</b>	290 K,			<b>Heat Capacity</b>	320 K,	$C_p = 318 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 60 to 350 K.				Temperature range	320 to 480 K.	
<b>Entropy</b>	298.15 K,			<b>Phase Changes</b>		
<b>Phase Changes</b>	c/liq			c,II/c,I	301.9 K,	$\Delta H = 2652 \text{ J}\cdot\text{mol}^{-1}$
	310.295 K,					$\Delta S = 8.81 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
				c,I/liq	420.7 K,	$\Delta H = 6302 \text{ J}\cdot\text{mol}^{-1}$
						$\Delta S = 15.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b>	127.1835					
Wiswesser Line Notation	T8MVTJ					
Evaluation	B					

<b>C<sub>7</sub>H<sub>13</sub>O<sub>2</sub>Tl</b> (c)		85NGE/LOP	<b>C<sub>7</sub>H<sub>14</sub></b> (liq)		57MCC/FIN2
Thallium heptanoate			1-Heptene		
<b>Heat Capacity</b>	298.15 K, Temperature range 5 to 500 K. Estimated value.	$C_p = 367.50 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K, Temperature range 11 to 360 K.	$C_p = 211.79 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Entropy</b>	298.15 K,	$S = 320.77 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Entropy</b>	298.15 K,	$S = 327.65 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Phase Changes</b>			<b>Phase Changes</b>		
c,VI/c,V	262.8 K,	$\Delta H = 1966 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 7.44 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	c,II/liq	153.89 K,	$\Delta H = 12640 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 82.14 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c,V/c,IV	267.8 K,	$\Delta H = 1167 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 4.36 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	c,I/liq	154.30 K,	$\Delta H = 12401 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 80.37 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c,IV/c,III	271.7 K,	$\Delta H = 1176 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 4.32 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
c,III/c,II	296.2 K,	$\Delta H = 2956 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 10.02 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b>	98.1876	
c,II/c,I	300.9 K,	$\Delta H = 2546 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 8.40 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Wiswesser Line Notation</b>	6U1	
c,I/liq	420.7 K	Solid-mesomorphic liquid.	<b>Evaluation</b>	A	
<b>Molecular Weight</b>	333.5485				
<b>Wiswesser Line Notation</b>	OV6 .TL				
<b>Evaluation</b>	A	Mesomorphic liquid-isotropic liquid transition at 502.7 K.			
<b>C<sub>7</sub>H<sub>13</sub>O<sub>2</sub>Tl</b> (c)		89LAB/LOP	<b>C<sub>7</sub>H<sub>14</sub></b> (liq)		53GRO/OLI
Thallium heptanoate			1,1-Dimethylcyclopentane		
<b>Heat Capacity</b>	298.15 K, Temperature range 5 to 350 K.	$C_p = 354.19 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	299.81 K, Temperature range 13 to 300 K. Unsmoothed experimental datum.	$C_p = 187.36 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Entropy</b>	298.15 K,	$S = 330.83 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Entropy</b>	298.15 K,	$S = 265.01 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Phase Changes</b>			<b>Phase Changes</b>		
c,IV'/c,III'	269.3 K,	$\Delta H = 1413 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 5.24 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	c,II/c,I	146.80 K,	$\Delta H = 6489.4 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 44.21 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c,III'/c,II	271.8 K,	$\Delta H = 1413 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 5.15 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	c,I/liq	203.68 K,	$\Delta H = 1078.6 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 5.30 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c,V/c,IV	262.3 K,	$\Delta H = 2087 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 7.98 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
c,IV/c,III	267.9 K	$\Delta H = 2087 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 7.98 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b>	98.1876	
c,III/c,II	272.4 K,	$\Delta H = 1588 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 5.82 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Wiswesser Line Notation</b>	L5TJ A1 A1	
c,II/c,I	300.96 K	$\Delta H = 3009 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 9.18 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Evaluation</b>	A	
c,I/liq	420.7 K,	$\Delta H = 6302 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 15.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
c/liq	502.0 K	$\Delta H = 3301 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 6.57 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
<b>Molecular Weight</b>	333.5485				
<b>Wiswesser Line Notation</b>	OV6 .TL				
<b>Evaluation</b>	A				
<b>C<sub>7</sub>H<sub>14</sub></b> (liq)		36PAR/TOD2	<b>C<sub>7</sub>H<sub>14</sub></b> (liq)		31HUF/PAR
1-Heptene			1,2-Dimethylcyclopentane		
<b>Heat Capacity</b>	295.1 K,	$C_p = 212.84 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	294.2 K, Temperature range 93 to 294 K. Value is unsmoothed experimental datum.	$C_p = 187.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 80 to 295 K. Value is unsmoothed experimental datum.			<b>Entropy</b>	298.1 K,	$S = 269.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Entropy</b>	298.15 K,	$S = 328.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Phase Changes</b>		
Extrapolation below 80 K, 58.58 $\text{J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .			c,liq	154.1 K,	$\Delta H = 6410 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 41.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Phase Changes</b>					
c/liq	153.4 K,	$\Delta H = 12661 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 82.54 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b>	98.1876	
<b>Molecular Weight</b>	98.1876		<b>Wiswesser Line Notation</b>	L5TJ A1 B1 -C	
<b>Wiswesser Line Notation</b>	6U1		<b>Evaluation</b>	A	
<b>Evaluation</b>	(C <sub>p</sub> ).C(S)				
<b>C<sub>7</sub>H<sub>14</sub></b> (liq)		53GRO/OLI	<b>C<sub>7</sub>H<sub>14</sub></b> (liq)		53GRO/OLI
1-cis-2-Dimethylcyclopentane			1-trans-3-Dimethylcyclopentane		
<b>Heat Capacity</b>	302.84 K,	$C_p = 190.66 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	304.03 K, Temperature range 13 to 300 K. Unsmoothed experimental datum.	$C_p = 190.87 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 13 to 300 K. Unsmoothed experimental datum.			<b>Entropy</b>	298.15 K,	$S = 271.54 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Entropy</b>	298.15 K,	$S = 269.16 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Phase Changes</b>		
<b>Phase Changes</b>			c,liq	141.50 K,	$\Delta H = 6668.9 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 47.13 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c,liq	219.45 K,	$\Delta H = 1657.3 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 7.55 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
<b>Molecular Weight</b>	98.1876		<b>Molecular Weight</b>	98.1876	
<b>Wiswesser Line Notation</b>	L5TJ A1 B1 -C		<b>Wiswesser Line Notation</b>	L5TJ A1 C1 -T	
<b>Evaluation</b>	A		<b>Evaluation</b>	A	
<b>C<sub>7</sub>H<sub>14</sub></b> (liq)		53GRO/OLI	<b>C<sub>7</sub>H<sub>14</sub></b> (liq)		53GRO/OLI
1-trans-3-Dimethylcyclopentane			1-trans-3-Dimethylcyclopentane		
<b>Heat Capacity</b>	304.03 K, Temperature range 13 to 300 K. Unsmoothed experimental datum.	$C_p = 190.87 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	304.03 K, Temperature range 13 to 300 K. Unsmoothed experimental datum.	$C_p = 190.87 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Entropy</b>	298.15 K,	$S = 271.54 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Entropy</b>	298.15 K,	$S = 271.54 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Phase Changes</b>			c,liq	139.48 K,	$\Delta H = 7398.1 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 53.04 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c,liq					
<b>Molecular Weight</b>	98.1876		<b>Molecular Weight</b>	98.1876	
<b>Wiswesser Line Notation</b>	L5TJ A1 C1 -T		<b>Wiswesser Line Notation</b>	L5TJ A1 C1 -T	
<b>Evaluation</b>	A		<b>Evaluation</b>	A	

<b>C<sub>7</sub>H<sub>14</sub></b> (liq)	53GRO/OLI	<b>C<sub>7</sub>H<sub>14</sub></b> (liq)	79WIL/GRO
Ethylcyclopentane		Methylcyclohexane	
<b>Heat Capacity</b>	301.83 K,	$C_p = 187.61 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	$C_p = 184.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range	13 to 300 K. Unsmoothed experimental datum.	$S = 279.91 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Entropy</b>	298.15 K,		One temperature.
<b>Phase Changes</b>			<b>Molecular Weight</b> 98.1876
c/liq	134.73 K,	$\Delta H = 6869.3 \text{ J} \cdot \text{mol}^{-1}$	<b>Wiswesser Line Notation</b> L6TJ A1
		$\Delta S = 50.99 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Evaluation</b> B
	Form stable above 129.5 K.		
c,II/liq	134.03 K,	$\Delta H = 2904.4 \text{ J} \cdot \text{mol}^{-1}$	
		$\Delta S = 58.97 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
	Form stable below 129.5 K.		
			<b>C<sub>7</sub>H<sub>14</sub></b> (liq)
			82GRO/ING
		Methylcyclohexane	
		<b>Heat Capacity</b>	$C_p = 185.29 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
		Temperature range	298.15 K. One temperature.
		<b>Molecular Weight</b>	98.1876
		<b>Wiswesser Line Notation</b>	L6TJ A1
		<b>Evaluation</b>	A
<b>C<sub>7</sub>H<sub>14</sub></b> (liq)	30PAR/HUF2	<b>C<sub>7</sub>H<sub>14</sub></b> (liq)	83SID/SVE
Methylcyclohexane		Methylcyclohexane	
<b>Heat Capacity</b>	294.2 K,	$C_p = 182.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	$C_p = 183.88 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range	93 to 294 K. Value is unsmoothed experimental datum.		One temperature.
<b>Entropy</b>	298.15 K,	$S = 248.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b> 98.1876
Extrapolation below 90 K, 54.73 $\text{J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .			<b>Wiswesser Line Notation</b> L6TJ A1
<b>Phase Changes</b>			<b>Evaluation</b> B
c/liq	146.2 K,	$\Delta H = 6673 \text{ J} \cdot \text{mol}^{-1}$	
		$\Delta S = 45.14 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
			<b>C<sub>7</sub>H<sub>14</sub></b> (liq)
			85TAN
		Methylcyclohexane	
		<b>Heat Capacity</b>	$C_p = 184.96 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
		One temperature.	
		<b>Molecular Weight</b>	98.1876
		<b>Wiswesser Line Notation</b>	L6TJ A1
		<b>Evaluation</b>	A
<b>C<sub>7</sub>H<sub>14</sub></b> (liq)	46DOU/HUF2	<b>C<sub>7</sub>H<sub>14</sub></b> (liq)	88SHI/OGA2
Methylcyclohexane		Methylcyclohexane	
<b>Heat Capacity</b>	298.15 K,	$C_p = 184.51 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	$C_p = 184.38 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range	12 to 300 K.		One temperature.
<b>Entropy</b>	298.15 K,	$S = 247.90 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b> 98.1876
<b>Phase Changes</b>			<b>Wiswesser Line Notation</b> L6TJ A1
c/liq	146.58 K,	$\Delta H = 6750.5 \text{ J} \cdot \text{mol}^{-1}$	<b>Evaluation</b> A
		$\Delta S = 46.05 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
			<b>C<sub>7</sub>H<sub>14</sub></b> (liq)
			56FIN/SCC
		Methylcyclohexane	
<b>Heat Capacity</b>	298.055 K,	$C_p = 185.27 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	$C_p = 180.75 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range	175 to 308 K. Unsmoothed experimental datum.		
<b>Phase Changes</b>			$S = 242.55 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c/liq	146.65 K		
<b>Molecular Weight</b>	98.1876		$\Delta H = 4966.4 \text{ J} \cdot \text{mol}^{-1}$
			$\Delta S = 36.84 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b>	L6TJ A1		$\Delta H = 289.5 \text{ J} \cdot \text{mol}^{-1}$
<b>Evaluation</b>	B		$\Delta S = 1.46 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>C<sub>7</sub>H<sub>14</sub></b> (liq)	75HOL/ZIE		$\Delta H = 449.8 \text{ J} \cdot \text{mol}^{-1}$
Methylcyclohexane			$\Delta S = 2.12 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Heat Capacity</b>	298.15 K,	$C_p = 184.84 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	$\Delta H = 1882.0 \text{ J} \cdot \text{mol}^{-1}$
Temperature range	144 to 312 K. $C_p = 129.88277 - 0.005410773T + 7.9975642 \times 10^{-4}T^2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		$\Delta S = 7.10 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Phase Changes</b>			
c/liq	146.550 K		
<b>Molecular Weight</b>	98.1876		
			<b>Molecular Weight</b> 98.1876
<b>Wiswesser Line Notation</b>	L6TJ A1		<b>Wiswesser Line Notation</b> L7TJ
<b>Evaluation</b>	A		<b>Evaluation</b> A

<b>C<sub>7</sub>H<sub>14</sub></b> (liq)		75JOL/BOI	<b>C<sub>7</sub>H<sub>14</sub>O</b> (liq)		88CAC/COS
Cycloheptane			2-Methylcyclohexanol		
<b>Heat Capacity</b>	298.15 K,	$C_p = 180.47 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p = 267.44 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
One temperature.			One temperature. Mixed isomers. $C_p$ (trans isomer)=262.98; (cis isomer)=268.95 J/K·mol.		
<b>Molecular Weight</b>	98.1876		<b>Molecular Weight</b>	114.1870	
<b>Wiswesser Line Notation</b>	L7TJ		<b>Wiswesser Line Notation</b>	L6TJ AQ B1	
<b>Evaluation</b>	B		<b>Evaluation</b>	B	
<b>C<sub>7</sub>H<sub>14</sub></b> (liq)		79FOR/DAR	<b>C<sub>7</sub>H<sub>14</sub>O</b> (liq)		24HER/BLO
Cycloheptane			2-Methylcyclohexanol		
<b>Heat Capacity</b>	298.15 K,	$C_p = 180.614 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	290 K,	$C_p = 199.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
One temperature.			One temperature.		
<b>Molecular Weight</b>	98.1876		<b>Molecular Weight</b>	114.1870	
<b>Wiswesser Line Notation</b>	L7TJ		<b>Wiswesser Line Notation</b>	L6TJ AQ B1	
<b>Evaluation</b>	B		<b>Evaluation</b>	C	
<b>C<sub>7</sub>H<sub>14</sub></b> (liq)		90HAI/GIL	<b>C<sub>7</sub>H<sub>14</sub>O</b> (liq)		24HER/BLO
Cycloheptane			3-Methylcyclohexanol		
<b>Phase Changes</b>			<b>Heat Capacity</b>	290 K,	$C_p = 201.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c,IV/c,III	135.7 K		One temperature.		
c,III/c,I	206.3 K		<b>Molecular Weight</b>	114.1870	
Overlap of the III to II and the II to I transitions.			<b>Wiswesser Line Notation</b>	L6TJ AQ C1	
<b>Molecular Weight</b>	98.1876		<b>Evaluation</b>	C	
<b>Wiswesser Line Notation</b>	L7TJ		 		
<b>Evaluation</b>	A		 		
<b>C<sub>7</sub>H<sub>14</sub>N<sub>2</sub>O<sub>2</sub></b> (c)		91ABA/DEL	<b>C<sub>7</sub>H<sub>14</sub>O</b> (liq)		24HER/BLO
$\alpha$ -Acetylaminoisobutyro-N'-methylamide(DL);			4-Methylcyclohexanol		
2-(Acetylamo)-N,2-dimethylpropanamide(DL)			<b>Heat Capacity</b>	290 K,	$C_p = 202.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Heat Capacity</b>	298 K,	$C_p = 229.10 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	One temperature.		
Data extrapolated to 298 K from values obtained at higher temperatures.			<b>Molecular Weight</b>	114.1870	
<b>Molecular Weight</b>	158.1998		<b>Wiswesser Line Notation</b>	L6TJ AQ D1	
<b>Wiswesser Line Notation</b>	1X1&VM1&MV1 -DL		<b>Evaluation</b>	C	
<b>Evaluation</b>	C		 		
<b>C<sub>7</sub>H<sub>14</sub>O</b> (liq)		70AND/COU	<b>C<sub>7</sub>H<sub>14</sub>O</b> (liq)		72ADA/SUG
2,4-Dimethyl-3-pentanone; Diisopropyl ketone			Cycloheptanol		
<b>Heat Capacity</b>	298.15 K,	$C_p = 233.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p = 250.22 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 10 to 320 K.			Temperature range 13 to 300 K.		
<b>Entropy</b>	298.15 K,	$S = 318.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Entropy</b>	298.15 K,	$S = 241.638 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Phase Changes</b>			<b>Phase Changes</b>		
c/liq	204.81 K,	$\Delta H = 11180 \text{ J} \cdot \text{mol}^{-1}$	c,II/c,I	258.45 K,	$\Delta H = 875 \text{ J} \cdot \text{mol}^{-1}$
		$\Delta S = 54.58 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			$\Delta S = 3.39 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	114.1870		c,II'/c,II	172.23 K	$\Delta H = 2925 \text{ J} \cdot \text{mol}^{-1}$ between 162.50 and 176.50
<b>Wiswesser Line Notation</b>	1Y1&VY1&1				$\Delta S = 554 \text{ J} \cdot \text{mol}^{-1}$
<b>Evaluation</b>	A		c,III/c,II	227.26 K,	$\Delta S = 2.44 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
 					$\Delta H = 58.07 \text{ J} \cdot \text{mol}^{-1}$
<b>C<sub>7</sub>H<sub>14</sub>O</b> (liq)		88CAC/COS	c,III'/c,III	152.30 K,	$\Delta S = 0.38 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
1-Methylcyclohexanol			c,III''/c,III	128.2 K	$\Delta H = 1604 \text{ J} \cdot \text{mol}^{-1}$
<b>Heat Capacity</b>	298.15 K,	$C_p = 279.05 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	c,I/liq	280.30 K,	$\Delta S = 5.72 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
One temperature.			<b>Molecular Weight</b>	114.1870	
<b>Molecular Weight</b>	114.1870		<b>Wiswesser Line Notation</b>	L7TJ AQ	
<b>Wiswesser Line Notation</b>	L6TJ AQ A1		<b>Evaluation</b>	A	
<b>Evaluation</b>	B		 		
<b>C<sub>7</sub>H<sub>14</sub>O</b> (liq)		76CON/GIN	<b>C<sub>7</sub>H<sub>14</sub>O</b> (liq)		
Cycloheptanol			Cycloheptanol		
<b>Heat Capacity</b>	298 K,	$C_p = 244.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298 K,	$C_p = 244.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
One temperature.			One temperature.		
<b>Molecular Weight</b>	114.1870		<b>Molecular Weight</b>	114.1870	
<b>Wiswesser Line Notation</b>	L7TJ AQ		<b>Wiswesser Line Notation</b>	L7TJ AQ	
<b>Evaluation</b>	B		<b>Evaluation</b>	B	

$C_7H_{14}O$ (liq)	87MIL/FEN2	$C_7H_{14}O_2$ (liq)	86NIL/WAD
3-Methylhexanal		Ethyl-2,2-dimethylpropanoate	
<b>Heat Capacity</b> 323.15 K,	$C_p=245.94\text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p=251.3\text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 323.15 to 428.15 K.		One temperature.	
<b>Molecular Weight</b> 114.1870		<b>Molecular Weight</b> 130.1864	
Wiswesser Line Notation VH1Y3		Wiswesser Line Notation 2OVX1&1&1	
<b>Evaluation</b> A		<b>Evaluation</b> A	
$C_7H_{14}O$ (liq)	87MIL/FEN2	$C_7H_{14}O_2$ (liq)	92VER/BEC
3,4-Dimethylpentanal		Ethyl-2,2-dimethylpropanoate	
<b>Heat Capacity</b> 323.15 K,	$C_p=235.60\text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p=277.8\text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 323.15 to 428.15 K.		One temperature.	
<b>Molecular Weight</b> 114.1870		<b>Molecular Weight</b> 130.1864	
Wiswesser Line Notation VH1Y1&Y1&1		Wiswesser Line Notation 2OVX1&1&1	
<b>Evaluation</b> A		<b>Evaluation</b> B	
$C_7H_{14}O$ (liq)	1881REI	$C_7H_{14}O_2$ (liq)	92VER/BEC
Heptanal; Oenanthal; Enanthal; n-Heptaldehyde		2-Methylbutanoic acid ethyl ester	
<b>Heat Capacity</b> 298 K,	$C_p=204.6\text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p=327.4\text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 298 to 450 K.		One temperature.	
<b>Molecular Weight</b> 114.1870		<b>Molecular Weight</b> 130.1864	
Wiswesser Line Notation VH6		Wiswesser Line Notation 2Y1&VO2	
<b>Evaluation</b> D		<b>Evaluation</b> B	
$C_7H_{14}O$ (liq)	56PAR/KEN	$C_7H_{14}O_2$ (liq)	82SCH/MIL
Heptanal; Oenanthal; Enanthal; n-Heptaldehyde		Heptanoic acid	
<b>Heat Capacity</b> 298.15 K,	$C_p=250.33\text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p=265.43\text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 80 to 300 K.		Temperature range 80 to 305 K.	
<b>Entropy</b> 298.1 K,	$S=348.5\text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Phase Changes</b>	
Extrapolation below 80 K, 56.69 $\text{J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ .		c,II/c,I	$\Delta H=2038\text{ J}\cdot\text{mol}^{-1}$
<b>Phase Changes</b>		c,I/liq	$\Delta S=9.07\text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c/liq	229.8 K,		$\Delta H=15437\text{ J}\cdot\text{mol}^{-1}$
			$\Delta S=58.07\text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b> 114.1870		<b>Molecular Weight</b> 130.1864	
Wiswesser Line Notation VH6		Wiswesser Line Notation QV6	
<b>Evaluation</b> B( $C_p$ ),C(S)		<b>Evaluation</b> B	
$C_7H_{14}O$ (liq)	82DYA/VAS	$C_7H_{14}O_2$ (liq)	91LAB/WES
Heptanal; Oenanthal; Enanthal; n-Heptaldehyde		Heptanoic acid	
<b>Heat Capacity</b> 298.15 K,	$C_p=230.78\text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p=267.31\text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Calculated from general equation: $C_p(\text{J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1})=(112.4 \pm 4.2)-(59.94 \pm 3.46) \times 10^{-2}T(\text{K})+(10.93 \pm 0.74) \times 10^{-4} T^2+(20.66 \pm 0.57) \times n_c$ (number of carbon atoms)+(2.65 ± 0.19) $\times 10^{-2}Tn_c$ .		Temperature range 5 to 350 K.	
<b>Entropy</b> 298.15 K,	$S=335.4\text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Entropy</b> 298.15 K,	$S=323.35\text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Phase Changes</b>		<b>Phase Changes</b>	
c/liq		c,II/c,I	$\Delta H=2163.4\text{ J}\cdot\text{mol}^{-1}$
		c,I/liq	$\Delta S=9.412\text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b> 114.1870			$\Delta H=15129.9\text{ J}\cdot\text{mol}^{-1}$
Wiswesser Line Notation VH6			$\Delta S=57.295\text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Evaluation</b> B		<b>Molecular Weight</b> 130.1864	
 		Wiswesser Line Notation QV6	
		<b>Evaluation</b> A	
$C_7H_{14}O$ (liq)	84VAS/PET	$C_7H_{14}O_2$ (liq)	39PHI
Heptanal; Oenanthal; Enanthal; n-Heptaldehyde		Pentyl ethanoate; n-Amyl acetate	
<b>Heat Capacity</b> 298.15 K,	$C_p=230.15\text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b> 304.0 K,	$C_p=276.1\text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 10 to 350 K.		One temperature.	
<b>Entropy</b> 298.15 K,	$S=335.43\text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Molecular Weight</b> 130.1864	
<b>Phase Changes</b>		Wiswesser Line Notation 5OV1	
c/liq	229.20 K	<b>Evaluation</b> C	
<b>Molecular Weight</b> 114.1870			
Wiswesser Line Notation VH6			
<b>Evaluation</b> A			

$C_7H_{14}O_3$ (liq)		82BIR/SIK	$C_7H_{16}$ (liq)		61HUF/GRO
2-Hydroxyethyl-2',2'-dimethylpropionate; 2-Hydroxyethyl pivalate			2,4-Dimethylpentane		
<b>Heat Capacity</b>	298.15 K, $C_p=308.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b>	298.15 K, $C_p=224.22 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 270 to 370 K. Equation only. $C_p=15.79 + 1.337T - 0.0011977^2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ .			Temperature range 10 to 300 K.		
<b>Molecular Weight</b>	146.1858		<b>Entropy</b>	298.15 K, $S=303.17 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Wiswesser Line Notation</b>	Q2OVX1&1&1		<b>Phase Changes</b>		
<b>Evaluation</b>	C		c/liq	153.97 K, $\Delta H=6845 \text{ J}\cdot\text{mol}^{-1}$	$\Delta S=44.46 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
$C_7H_{15}Br$ (liq)		93SHE			
1-Bromoheptane; n-Heptyl bromide					
<b>Heat Capacity</b>	298.15 K, $C_p=247.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$				
One temperature.					
<b>Molecular Weight</b>	179.0995				
<b>Wiswesser Line Notation</b>	E7				
<b>Evaluation</b>	B				
$C_7H_{15}Cl$ (liq)		93SHE	$C_7H_{16}$ (liq)		30HUF/PAR2
1-Chloroheptane; n-Heptyl chloride			2,2,3-Trimethylbutane		
<b>Heat Capacity</b>	298.15 K, $C_p=245.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b>	293.9 K, $C_p=208.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
One temperature.			Temperature range 89 to 294 K. Value is unsmoothed experimental datum.		
<b>Molecular Weight</b>	134.6485		<b>Entropy</b>	298.1 K, $S=27.11 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Wiswesser Line Notation</b>	G7		Extrapolation below 90 K, 14.0 cal·mol <sup>-1</sup> ·K <sup>-1</sup> .		
<b>Evaluation</b>	B		<b>Phase Changes</b>		
$C_7H_{15}I$ (liq)		93SHE	c,II/c,I	121.0 K, $\Delta H=2377 \text{ J}\cdot\text{mol}^{-1}$	$\Delta S=19.64 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
1-Iodoheptane; n-Heptyl iodide					
<b>Heat Capacity</b>	298.15 K, $C_p=251.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		Hump in heat capacity curve at about 105 K, with excess enthalpy of 243 J·mol <sup>-1</sup> .		
One temperature.			c,II/liq	247.7 K, $\Delta H=2201 \text{ J}\cdot\text{mol}^{-1}$	$\Delta S=8.89 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b>	226.1000				
<b>Wiswesser Line Notation</b>	I7				
<b>Evaluation</b>	B				
$C_7H_{15}N$ (liq)		76CON/GIN			
Octahydroazocine					
<b>Heat Capacity</b>	298 K, $C_p=230 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$				
One temperature.					
<b>Molecular Weight</b>	113.2022				
<b>Wiswesser Line Notation</b>	T8MTJ				
<b>Evaluation</b>	C				
$C_7H_{15}NO_2$ (liq)		92VER/BEC	$C_7H_{16}$ (liq)		61HUF/GRO
N,N,2-Trimethylalanine methyl ester			2,2,3-Trimethylbutane		
<b>Heat Capacity</b>	298.15 K, $C_p=315.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b>	298.15 K, $C_p=213.51 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
One temperature.			Temperature range 10 to 300 K.		
<b>Molecular Weight</b>	145.2010		<b>Entropy</b>	298.15 K, $S=292.25 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Wiswesser Line Notation</b>	1OVX1&1&N1&1		<b>Phase Changes</b>		
<b>Evaluation</b>	B		Lambda-type transitions at 87, 108 K.		
$C_7H_{16}$ (liq)		30HUF/PAR2	c,II/c,I	121.4 K, $\Delta H=2242 \text{ J}\cdot\text{mol}^{-1}$	$\Delta S=18.47 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
2,4-Dimethylpentane					
<b>Heat Capacity</b>	294.4 K, $C_p=220.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$				
Temperature range 92 to 294 K. Value is unsmoothed experimental datum.					
<b>Entropy</b>	298.1 K, $S=291.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$				
Extrapolation below 90 K, 65.90 J·mol <sup>-1</sup> ·K <sup>-1</sup> .					
<b>Phase Changes</b>					
c/liq	152.5 K, $\Delta H=6694 \text{ J}\cdot\text{mol}^{-1}$				
	$\Delta S=43.90 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$				
<b>Molecular Weight</b>	100.2034				
<b>Wiswesser Line Notation</b>	1Y1&1Y&1				
<b>Evaluation</b>	B(C <sub>p</sub> ).C(S)				
$C_7H_{16}$ (liq)		30HUF/PAR2			
3,3-Dimethylpentane					
<b>Heat Capacity</b>	292.9 K, $C_p=211.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$				
Temperature range 92 to 293 K. Value is unsmoothed experimental datum.					
<b>Entropy</b>	298.1 K, $S=293.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$				
Extrapolation below 90 K, 60.67 J·mol <sup>-1</sup> ·K <sup>-1</sup> .					
<b>Phase Changes</b>					
c/liq	138.2 K, $\Delta H=7067 \text{ J}\cdot\text{mol}^{-1}$				
	$\Delta S=51.14 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$				
<b>Molecular Weight</b>	100.2034				
<b>Wiswesser Line Notation</b>	2X2&1&1				
<b>Evaluation</b>	B(C <sub>p</sub> ).C(S)				

$C_7H_{16}$ (liq)		76FIN/MES	$C_7H_{16}$ (liq)		30HUF/PAR2
3,3-Dimethylpentane			2,2-Dimethylpentane		
<b>Heat Capacity</b>	298.15 K, Temperature range 10 to 400 K.	$C_p=214.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	294.1 K, Temperature range 92 to 294 K. Value is unsmoothed experimental datum.	$C_p=217.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Entropy</b>	298.15 K,	$S=305.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Entropy</b>	298.1 K, Extrapolation below 90 K, $64.10 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	$S=284.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Phase Changes</b>			<b>Phase Changes</b>		
c,II/c,I	132.7 K,	$\Delta H=793.7 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S=5.98 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	c/liq	148.1 K,	$\Delta H=5862 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S=39.58 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c,II/liq	138.20 K,	$\Delta H=7642.5 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S=55.30 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	c,I/liq	138.75 K,	$\Delta H=6846.3 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S=49.34 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	100.2034		<b>Molecular Weight</b>	100.2034	
<b>Wiswesser Line Notation</b>	2X2&1&1		<b>Wiswesser Line Notation</b>	3X1&1&1	
<b>Evaluation</b>	A		<b>Evaluation</b>	B( $C_p$ ),C(S)	
$C_7H_{16}$ (liq)		30HUF/PAR2	$C_7H_{16}$ (liq)		61HUF/GRC
2,3-Dimethylpentane			2,2-Dimethylpentane		
<b>Heat Capacity</b>	291.5 K, Temperature range 68 to 292 K. Value is unsmoothed experimental datum.	$C_p=215.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K, Temperature range 10 to 300 K.	$C_p=221.12 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Entropy</b>	298.1 K, Extrapolation below 70 K, $69.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ . Forms glass at low temperatures. Value includes estimated zero point entropy of $17 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .	$S=306.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Entropy</b>	298.15 K, $S=300.29 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Molecular Weight</b>	100.2034		<b>Molecular Weight</b>	100.2034	
<b>Wiswesser Line Notation</b>	2Y1&Y1&1		<b>Wiswesser Line Notation</b>	3X1&1&1	
<b>Evaluation</b>	B( $C_p$ ),C(S)		<b>Evaluation</b>	A	
$C_7H_{16}$ (liq)		76FIN/MES	$C_7H_{16}$ (liq)		30HUF/PAR:
2,3-Dimethylpentane			3-Methylhexane		
<b>Heat Capacity</b>	298.15 K, Temperature range 10 to 400 K.	$C_p=218.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	289.2 K, Temperature range 71 to 289 K. Value is unsmoothed experimental datum.	$C_p=214.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Entropy</b>	298.15 K, Extrapolation below 90 K, $68.87 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .	$S=297.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Entropy</b>	298.1 K, Extrapolation below 70 K, $70.71 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ . Forms glass at low temperatures. Value includes estimated zero point entropy of $17 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .	$S=309.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	100.2034		<b>Molecular Weight</b>	100.2034	
<b>Wiswesser Line Notation</b>	2Y1&Y1&1		<b>Wiswesser Line Notation</b>	3Y2&1	
<b>Evaluation</b>	A $T(\text{glass})=82.6 \text{ K}$ .		<b>Evaluation</b>	B( $C_p$ ),C(S)	
$C_7H_{16}$ (liq)		30HUF/PAR2	$C_7H_{16}$ (liq)		36PAR/THC
3-Ethylpentane			3-Methylhexane		
<b>Heat Capacity</b>	294.8 K, Temperature range 92 to 295 K. Value is unsmoothed experimental datum.	$C_p=217.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	289.2 K, Temperature range 71 to 290 K. Glass at lower temperatures. Value is unsmoothed experimental datum.	$C_p=216.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Entropy</b>	298.1 K, Extrapolation below 90 K, $68.87 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .	$S=312.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Entropy</b>	298.1 K, $S=309.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Phase Changes</b>			<b>Phase Changes</b>		
c/liq	154.3 K,	$\Delta H=9460 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S=61.31 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	c/liq	154.0 K,	$\Delta H=8870 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S=57.60 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	100.2034		<b>Molecular Weight</b>	100.2034	
<b>Wiswesser Line Notation</b>	2Y2&2		<b>Wiswesser Line Notation</b>	3Y2&1	
<b>Evaluation</b>	B( $C_p$ ),C(S)		<b>Evaluation</b>	B	
$C_7H_{16}$ (liq)		61HUF/GRO	$C_7H_{16}$ (liq)		30PAR/HU1
3-Ethylpentane			2-Methylhexane		
<b>Heat Capacity</b>	298.15 K, Temperature range 10 to 300 K.	$C_p=219.58 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	292.4 K, Temperature range 86 to 293 K. Value is unsmoothed experimental datum.	$C_p=219.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Entropy</b>	298.15 K, Extrapolation below 90 K.	$S=314.55 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Entropy</b>	298.15 K, $S=314.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Phase Changes</b>			<b>Phase Changes</b>		
c/liq	154.58 K,	$\Delta H=9548 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S=61.77 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	c/liq	154.0 K,	$\Delta H=8870 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S=57.60 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	100.2034		<b>Molecular Weight</b>	100.2034	
<b>Wiswesser Line Notation</b>	2Y2&2		<b>Wiswesser Line Notation</b>	4Y1&1	
<b>Evaluation</b>	A		<b>Evaluation</b>	B( $C_p$ ),C(S)	

$C_7H_{16}$ (liq)		30HUF/PAR2	$C_7H_{16}$ (liq)		37VOL
2-Methylhexane			n-Heptane		
<b>Entropy</b>	298.1 K,	$S=315.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298 K,	$C_p=223.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Extrapolation below 90 K, 70.12 $\text{J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ . Based on previously published specific heat data, 30PAR/HUF.			One temperature. $C_p$ given as 0.532 cal/deg/gram.		
<b>Phase Changes</b>			<b>Molecular Weight</b>	100.2034	
c/liq	154.0 K,	$\Delta H=8870 \text{ J}\cdot\text{mol}^{-1}$	<b>Wiswesser Line Notation</b>	7H	
		$\Delta S=57.60 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Evaluation</b>	B	
<b>Molecular Weight</b>	100.2034				
<b>Wiswesser Line Notation</b>	4Y1&1				
<b>Evaluation</b>	C(S)				
$C_7H_{16}$ (liq)		61HUF/GRO	$C_7H_{16}$ (liq)		39PHI
2-Methylhexane			n-Heptane		
<b>Heat Capacity</b>	298.15 K,	$C_p=222.92 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	300.8 K,	$C_p=210.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 10 to 300 K.			One temperature.		
<b>Entropy</b>	298.15 K,	$S=323.34 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Molecular Weight</b>	100.2034	
<b>Phase Changes</b>	Lambda-type transition at 72 K.		<b>Wiswesser Line Notation</b>	7H	
c/liq	154.90 K,	$\Delta H=9184 \text{ J}\cdot\text{mol}^{-1}$	<b>Evaluation</b>	C	
		$\Delta S=59.29 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
<b>Molecular Weight</b>	100.2034				
<b>Wiswesser Line Notation</b>	4Y1&1				
<b>Evaluation</b>	A				
$C_7H_{16}$ (liq)		24WIL/DAN	$C_7H_{16}$ (liq)		39BYK
n-Heptane			n-Heptane		
<b>Heat Capacity</b>	303 K,	$C_p=217.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298 K,	$C_p=211.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 303 to 350 K. Equation only.			One temperature.		
<b>Molecular Weight</b>	100.2034		<b>Molecular Weight</b>	100.2034	
<b>Wiswesser Line Notation</b>	7H		<b>Wiswesser Line Notation</b>	7H	
<b>Evaluation</b>	C		<b>Evaluation</b>	C	
$C_7H_{16}$ (liq)		30PAR/HUF	$C_7H_{16}$ (liq)		40PIT
n-Heptane			n-Heptane		
<b>Heat Capacity</b>	299.2 K,	$C_p=222.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	296.5 K,	$C_p=224.60 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 90 to 300 K. Value is unsmoothed experimental datum.			Temperature range 15 to 318 K. Value is unsmoothed experimental datum.		
<b>Entropy</b>	298.15 K,	$S=326.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Entropy</b>	298.15 K,	$S=328.86 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Extrapolation below 90 K, 71.00 $\text{J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ .			<b>Phase Changes</b>	c/liq	$\Delta H=14040.7 \text{ J}\cdot\text{mol}^{-1}$
<b>Phase Changes</b>					$\Delta S=76.93 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c/liq	182.2 K,	$\Delta H=14163 \text{ J}\cdot\text{mol}^{-1}$	<b>Molecular Weight</b>	100.2034	
		$\Delta S=77.73 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Wiswesser Line Notation</b>	7H	
<b>Molecular Weight</b>	100.2034		<b>Evaluation</b>	A	
<b>Wiswesser Line Notation</b>	7H				
<b>Evaluation</b>	B( $C_p$ ),C(S)				
$C_7H_{16}$ (liq)		30HUF/PAR2	$C_7H_{16}$ (liq)		47OSB/GIN
n-Heptane			n-Heptane		
<b>Entropy</b>	298.1 K,	$S=330.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p=224.85 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Extrapolation below 90 K, 71.00 $\text{J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ . Based on previously published specific heat data, 30PAR/HUF.			Temperature range 278 to 318 K.		
<b>Phase Changes</b>			<b>Molecular Weight</b>	100.2034	
c/liq	182.2 K,	$\Delta H=14163 \text{ J}\cdot\text{mol}^{-1}$	<b>Wiswesser Line Notation</b>	7H	
		$\Delta S=77.73 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Evaluation</b>	A	
<b>Molecular Weight</b>	100.2034				
<b>Wiswesser Line Notation</b>	7H				
<b>Evaluation</b>	C(S)				
$C_7H_{16}$ (liq)		32RIC/WAL	$C_7H_{16}$ (liq)		53GIN/FUR
n-Heptane			n-Heptane		
<b>Heat Capacity</b>	298.1 K,	$C_p=224.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p=224.74 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 293 to 323 K.			Temperature range 25 to 520 K.		
<b>Molecular Weight</b>	100.2034		<b>Phase Changes</b>	c/liq	$\Delta H=14022 \text{ J}\cdot\text{mol}^{-1}$
<b>Wiswesser Line Notation</b>	7H				$\Delta S=76.81 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Evaluation</b>	C		<b>Molecular Weight</b>	100.2034	
			<b>Wiswesser Line Notation</b>	7H	
			<b>Evaluation</b>	A	
			See correction in 53GIN/FUR2.		

<b>C<sub>7</sub>H<sub>16</sub></b> (liq)	54DOU/FUR	<b>C<sub>7</sub>H<sub>16</sub></b> (liq)	72MIL
n-Heptane		n-Heptane	
<b>Heat Capacity</b> 298.15 K, Temperature range 20 to 520 K.	$C_p = 224.74 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 250 K, Temperature range 130 to 263 K.	$C_p = 209.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Entropy</b> 298.15 K,	$S = 327.98 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Phase Changes</b>	
<b>Phase Changes</b> c/liq 182.56 K,	$\Delta H = 14022 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 78.81 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	c/liq 182.56 K,	$\Delta H = 14061 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 77.02 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b> 100.2034		<b>Molecular Weight</b> 100.2034	
<b>Wiswesser Line Notation</b> 7H		<b>Wiswesser Line Notation</b> 7H	
<b>Evaluation</b> A		<b>Evaluation</b> B	
<b>C<sub>7</sub>H<sub>16</sub></b> (liq)	55HEL/HEI	<b>C<sub>7</sub>H<sub>16</sub></b> (liq)	73KAL/WOY
n-Heptane		n-Heptane	
<b>Heat Capacity</b> 299.8 K, Temperature range 70 to 220 °F.	$C_p = 233.13 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K, One temperature.	$C_p = 226.53 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b> 100.2034		<b>Molecular Weight</b> 100.2034	
<b>Wiswesser Line Notation</b> 7H		<b>Wiswesser Line Notation</b> 7H	
<b>Evaluation</b> B		<b>Evaluation</b> A	
<b>C<sub>7</sub>H<sub>16</sub></b> (liq)	58SWI/ZIE	<b>C<sub>7</sub>H<sub>16</sub></b> (liq)	74DIA/REN
n-Heptane		n-Heptane	
<b>Heat Capacity</b> 332 K, Mean value 22 to 96 °C.	$C_p = 247.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K, Temperature range 298 to 323 K.	$C_p = 225.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b> 100.2034		<b>Molecular Weight</b> 100.2034	
<b>Wiswesser Line Notation</b> 7H		<b>Wiswesser Line Notation</b> 7H	
<b>Evaluation</b> C		<b>Evaluation</b> A	
<b>C<sub>7</sub>H<sub>16</sub></b> (liq)	61HUF/GRO	<b>C<sub>7</sub>H<sub>16</sub></b> (liq)	75GRI/RAS
n-Heptane		n-Heptane	
<b>Heat Capacity</b> 298.15 K, Temperature range 10 to 300 K.	$C_p = 224.93 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298 K, Temperature range 300 to 463 K.	$C_p = 223.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Entropy</b> 298.15 K,	$S = 328.57 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b> 100.2034	
<b>Phase Changes</b> c/liq 182.55 K,	$\Delta H = 14037 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 76.89 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Wiswesser Line Notation</b> 7H	
<b>Molecular Weight</b> 100.2034		<b>Evaluation</b> B	
<b>Wiswesser Line Notation</b> 7H			
<b>Evaluation</b> A			
<b>C<sub>7</sub>H<sub>16</sub></b> (liq)	61MCC/MES	<b>C<sub>7</sub>H<sub>16</sub></b> (liq)	75HOL/ZIE
n-Heptane		n-Heptane	
<b>Heat Capacity</b> 298.15 K, Temperature range 10 to 370 K.	$C_p = 224.93 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ $C_{\text{sat}}(\text{liq}) = 56.582 - 0.14490T + 5.7813 \times 10^{-4}T^2 - 4.1667 \times 10^{-7}T^3 \text{ cal} \cdot \text{mol}^{-1} \cdot \text{deg}^{-1}$	<b>Heat Capacity</b> 298.15 K, Temperature range 182 to 312 K.	$C_p = 224.19 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ $C_p = 866.18820 - 9.9628490T + 0.054561085T^2 - 0.00013079634T^3 + 1.1957392 \times 10^{-7}T^4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Phase Changes</b> c/liq 182.55 K,	$\Delta H = 14037 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 76.89 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Phase Changes</b>	
<b>Molecular Weight</b> 100.2034		c/liq 182.586 K	
<b>Wiswesser Line Notation</b> 7H		<b>Molecular Weight</b> 100.2034	
<b>Evaluation</b> A		<b>Wiswesser Line Notation</b> 7H	
		<b>Evaluation</b> A	
<b>C<sub>7</sub>H<sub>16</sub></b> (liq)	63OET	<b>C<sub>7</sub>H<sub>16</sub></b> (liq)	75WOY/KAL
n-Heptane		n-Heptane	
<b>Heat Capacity</b> 298.15 K,	$C_p = 328.61 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 303.15 K, One temperature.	$C_p = 226.53 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Phase Changes</b> c/liq 182.56 K,	$\Delta H = 14030.6 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 76.81 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b> 100.2034	
<b>Molecular Weight</b> 100.2034		<b>Wiswesser Line Notation</b> 7H	
<b>Wiswesser Line Notation</b> 7H		<b>Evaluation</b> B	
<b>Evaluation</b> B			
Run as check on calorimeter. No details.			
		<b>C<sub>7</sub>H<sub>16</sub></b> (liq)	76FOR/BEN2
		n-Heptane	
		<b>Heat Capacity</b> 298.15 K,	$C_p = 224.707 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
		<b>Molecular Weight</b> 100.2034	
		<b>Wiswesser Line Notation</b> 7H	
		<b>Evaluation</b> A	

<b>C<sub>7</sub>H<sub>16</sub></b> (liq)	77MEI/BLO	<b>C<sub>7</sub>H<sub>16</sub></b> (liq)	81GRO/ING
n-Heptane		n-Heptane	
<b>Heat Capacity</b>	298.15 K, Temperature range 160 to 350 K.	$C_p = 255.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	$C_p = 224.69 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Phase Changes</b>			One temperature.
c/liq	182.7 K,	$\Delta H = 14059 \text{ J} \cdot \text{mol}^{-1}$	<b>Molecular Weight</b> 100.2034
		$\Delta S = 77.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Wiswesser Line Notation</b> 7H
<b>Molecular Weight</b>	100.2034		<b>Evaluation</b> B
<b>Wiswesser Line Notation</b>	7H		
<b>Evaluation</b>	B		
<b>C<sub>7</sub>H<sub>16</sub></b> (liq)	78WOY/KAL	<b>C<sub>7</sub>H<sub>16</sub></b> (liq)	82TAN
n-Heptane		n-Heptane	
<b>Heat Capacity</b>	333.15 K,	$C_p = 226.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	$C_p = 224.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
	One temperature.		One temperature.
<b>Molecular Weight</b>	100.2034		<b>Molecular Weight</b> 100.2034
<b>Wiswesser Line Notation</b>	7H		<b>Wiswesser Line Notation</b> 7H
<b>Evaluation</b>	B		<b>Evaluation</b> A
<b>C<sub>7</sub>H<sub>16</sub></b> (liq)	79BRO/ZIE	<b>C<sub>7</sub>H<sub>16</sub></b> (liq)	82ZAR
n-Heptane		n-Heptane	
<b>Heat Capacity</b>	298.15 K,	$C_p = 224.66 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	$C_p = 224.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
	Temperature range 183 to 302 K. Results as equation only.		Temperature range 298, 323, 363 K.
<b>Molecular Weight</b>	100.2034		<b>Molecular Weight</b> 100.2034
<b>Wiswesser Line Notation</b>	7H		<b>Wiswesser Line Notation</b> 7H
<b>Evaluation</b>	B		<b>Evaluation</b> B
<b>C<sub>7</sub>H<sub>16</sub></b> (liq)	79CZA	<b>C<sub>7</sub>H<sub>16</sub></b> (liq)	83KIM/TRE
n-Heptane		n-Heptane	
<b>Heat Capacity</b>	300 K,	$C_p = 225.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	$C_p = 224.764 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
	One temperature.		One temperature.
<b>Molecular Weight</b>	100.2034		<b>Molecular Weight</b> 100.2034
<b>Wiswesser Line Notation</b>	7H		<b>Wiswesser Line Notation</b> 7H
<b>Evaluation</b>	B		<b>Evaluation</b> B
<b>C<sub>7</sub>H<sub>16</sub></b> (liq)	79GRO/HAM	<b>C<sub>7</sub>H<sub>16</sub></b> (liq)	83TAN/ZHO
n-Heptane		n-Heptane	
<b>Heat Capacity</b>	298.15 K,	$C_p = 224.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	$C_p = 225.33 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
	One temperature.		Temperature range 220 to 380 K.
<b>Molecular Weight</b>	100.2034		<b>Molecular Weight</b> 100.2034
<b>Wiswesser Line Notation</b>	7H		<b>Wiswesser Line Notation</b> 7H
<b>Evaluation</b>	B		<b>Evaluation</b> A
<b>C<sub>7</sub>H<sub>16</sub></b> (liq)	79SCH/OFF	<b>C<sub>7</sub>H<sub>16</sub></b> (liq)	84GRO/ING
n-Heptane		n-Heptane	
<b>Heat Capacity</b>	285 K, Temperature range 90 to 285 K.	$C_p = 220.00 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	$C_p = 224.71 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Phase Changes</b>			One temperature.
c/liq	182.59 K,	$\Delta H = 14053 \text{ J} \cdot \text{mol}^{-1}$	<b>Molecular Weight</b> 100.2034
		$\Delta S = 76.96 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Wiswesser Line Notation</b> 7H
<b>Molecular Weight</b>	100.2034		<b>Evaluation</b> B
<b>Wiswesser Line Notation</b>	7H		
<b>Evaluation</b>	A		
<b>C<sub>7</sub>H<sub>16</sub></b> (liq)	80KAL/JED	<b>C<sub>7</sub>H<sub>16</sub></b> (liq)	84ROU/GRO
n-Heptane		n-Heptane	
<b>Heat Capacity</b>	297.860 K,	$C_p = 224.62 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	$C_p = 224.78 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
	Temperature range 185 to 300 K. Unsmoothed experimental datum.		One temperature.
<b>Molecular Weight</b>	100.2034		<b>Molecular Weight</b> 100.2034
<b>Wiswesser Line Notation</b>	7H		<b>Wiswesser Line Notation</b> 7H
<b>Evaluation</b>	B		<b>Evaluation</b> B
<b>C<sub>7</sub>H<sub>16</sub></b> (liq)		<b>C<sub>7</sub>H<sub>16</sub></b> (liq)	85BAL/BRA
n-Heptane		n-Heptane	
<b>Heat Capacity</b>	298.15 K,	$C_p = 224.781 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
	One temperature.		
<b>Molecular Weight</b>	100.2034		
<b>Wiswesser Line Notation</b>	7H		
<b>Evaluation</b>	B		

$C_7H_{16}$ (liq) n-Heptane <b>Heat Capacity</b> 298.15 K, One temperature. <b>Molecular Weight</b> 100.2034 <b>Wiswesser Line Notation</b> 7H <b>Evaluation</b> B	85LAI/ROD $C_p = 224.781 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	$C_7H_{16}$ (liq) n-Heptane <b>Heat Capacity</b> 298.15 K, One temperature. <b>Molecular Weight</b> 100.2034 <b>Wiswesser Line Notation</b> 7H <b>Evaluation</b> B	88SAI/TAN $C_p = 224.72 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
$C_7H_{16}$ (liq) n-Heptane <b>Heat Capacity</b> 298.15 K, One temperature. <b>Molecular Weight</b> 100.2034 <b>Wiswesser Line Notation</b> 7H <b>Evaluation</b> B	85TAN/NAK $C_p = 224.731 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	$C_7H_{16}$ (liq) n-Heptane <b>Heat Capacity</b> 298.15 K, One temperature. <b>Molecular Weight</b> 100.2034 <b>Wiswesser Line Notation</b> 7H <b>Evaluation</b> A	88SHI/OGA $C_p = 224.73 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
$C_7H_{16}$ (liq) n-Heptane <b>Heat Capacity</b> 293.15 K, Temperature range 293.15, 313.15 K. <b>Molecular Weight</b> 100.2034 <b>Wiswesser Line Notation</b> 7H <b>Evaluation</b> B	87KAL/KOH $C_p = 222.88 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	$C_7H_{16}O$ (liq) 4,4-Dimethyl-3-oxahexane; tert-Amyl ethyl ether <b>Heat Capacity</b> 298 K, One temperature. <b>Molecular Weight</b> 116.2028 <b>Wiswesser Line Notation</b> 2X1&1&O2 <b>Evaluation</b> C	36EVA/EDI $C_p = 243 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
$C_7H_{16}$ (liq) n-Heptane <b>Heat Capacity</b> 298.15 K, One temperature. <b>Molecular Weight</b> 100.2034 <b>Wiswesser Line Notation</b> 7H <b>Evaluation</b> B	87TAN $C_p = 224.721 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	$C_7H_{16}O$ (liq) 3-Ethyl-3-pentanol <b>Heat Capacity</b> 298.15 K, One temperature. <b>Molecular Weight</b> 116.2028 <b>Wiswesser Line Notation</b> QX2&2&2 <b>Evaluation</b> B	88CAC/COS $C_p = 353.91 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
$C_7H_{16}$ (liq) n-Heptane <b>Heat Capacity</b> 300 K, Temperature range 10 to 350 K. <b>Phase Changes</b> c/liq 182.57 K, <b>Molecular Weight</b> 100.2034 <b>Wiswesser Line Notation</b> 7H <b>Evaluation</b> A	87VAN/VAN $C_p = 225.14 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ $\Delta H = 13990 \text{ J}\cdot\text{mol}^{-1}$	$C_7H_{16}O$ (liq) 1-Heptanol; n-Heptyl alcohol <b>Heat Capacity</b> 298.15 K, Temperature range 80 to 300 K. <b>Entropy</b> 298.1 K, Extrapolation below 80 K, 65.06 $\text{J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ . <b>Phase Changes</b> c/liq 240.4 K, <b>Molecular Weight</b> 116.2028 <b>Wiswesser Line Notation</b> Q7 <b>Evaluation</b> B( $C_p$ ),S	56PAR/KEN $C_p = 278.57 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ $S = 325.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ $\Delta H = 18175 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 75.60 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
$C_7H_{16}$ (liq) n-Heptane <b>Heat Capacity</b> 298.15 K, One temperature. <b>Molecular Weight</b> 100.2034 <b>Wiswesser Line Notation</b> 7H <b>Evaluation</b> B	87WIL/ING $C_p = 224.71 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	$C_7H_{16}O$ (liq) 1-Heptanol; n-Heptyl alcohol <b>Heat Capacity</b> 298 K, One temperature. <b>Molecular Weight</b> 116.2028 <b>Wiswesser Line Notation</b> Q7 <b>Evaluation</b> C	59HUT/BA1 $C_p = 274.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
$C_7H_{16}$ (liq) n-Heptane <b>Heat Capacity</b> 298.15 K, One temperature. <b>Molecular Weight</b> 100.2034 <b>Wiswesser Line Notation</b> 7H <b>Evaluation</b> B	88AND/PAT $C_p = 224.64 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	$C_7H_{16}O$ (liq) 1-Heptanol; n-Heptyl alcohol <b>Heat Capacity</b> 302.97 K, Temperature range 303 to 462 K. $p=0.98$ bar. <b>Molecular Weight</b> 116.2028 <b>Wiswesser Line Notation</b> Q7 <b>Evaluation</b> B	79GRI/YAN $C_p = 278.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$

<b>C<sub>7</sub>H<sub>16</sub>O</b> (liq)		84ZEG/SOM	<b>C<sub>7</sub>H<sub>17</sub>NSi</b> (liq)		74LEB/RAB
1-Heptanol; n-Heptyl alcohol			N-( $\beta$ -Trimethylsilyl)ethylenimine		
<b>Heat Capacity</b>	298.15 K,	$C_p = 273.67 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>		
One temperature.			Temperature range 50 to 300 K. Data given graphically.		
<b>Molecular Weight</b>	116.2028		<b>Phase Changes</b>		
<b>Wiswesser Line Notation</b>	Q7		c/liq	176.54 K,	$\Delta H = 10623 \text{ J} \cdot \text{mol}^{-1}$
<b>Evaluation</b>	C				$\Delta S = 60.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>C<sub>7</sub>H<sub>16</sub>O</b> (liq)		88NAZ/BAS	<b>Molecular Weight</b>	143.3035	
1-Heptanol; n-Heptyl alcohol			<b>Wiswesser Line Notation</b>	T3NTJ A2-SI-1&1&1	
<b>Heat Capacity</b>	303.35 K,	$C_p = 297.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Evaluation</b>	A	
Temperature range 303 to 447 K. p=0.1 MPa. Unsmoothed experimental datum given as 2.556 kJ/kg·K. $C_p$ data given at pressures from 0.1 to 50 MPa.			<b>C<sub>7</sub>H<sub>17</sub>NSi</b> (liq)		74LEB/TSV
<b>Molecular Weight</b>	116.2028		N-( $\beta$ -Trimethylsilyl)ethylenimine		
<b>Wiswesser Line Notation</b>	Q7		<b>Heat Capacity</b>	300 K,	$C_p = 300.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Evaluation</b>	B		Temperature range 64 to 300 K.		
<b>C<sub>7</sub>H<sub>16</sub>O</b> (liq)		89VES/BAR	<b>Entropy</b>	300 K,	$S = 406.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
1-Heptanol; n-Heptyl alcohol			<b>Phase Changes</b>	c/liq	$\Delta H = 10623 \text{ J} \cdot \text{mol}^{-1}$
<b>Heat Capacity</b>	298.15 K,	$C_p = 270.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			$\Delta S = 60.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 298.15 to 318.15 K.			<b>Molecular Weight</b>	143.3035	
<b>Molecular Weight</b>	116.2028		<b>Wiswesser Line Notation</b>	T3NTJ A2-SI-1&1&1	
<b>Wiswesser Line Notation</b>	Q7		<b>Evaluation</b>	A	
<b>Evaluation</b>	A		T(glass)=124.0 K. Data given for glassy state from 50 to 150 K.		
<b>C<sub>7</sub>H<sub>16</sub>O</b> (liq)		76CON/GIN	<b>C<sub>7</sub>H<sub>17</sub>NSi</b> (liq)		75LEB/TSV
4-Heptanol			N-( $\beta$ -Trimethylsilyl)ethylenimine		
<b>Heat Capacity</b>	298 K,	$C_p = 317.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	300 K,	$C_p = 300.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
One temperature.			Temperature range 6 to 300 K.		
<b>Molecular Weight</b>	116.2028		<b>Entropy</b>	300 K,	$S = 406.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b>	QY3&3		<b>Phase Changes</b>	c/liq	$\Delta H = 10623 \text{ J} \cdot \text{mol}^{-1}$
<b>Evaluation</b>	B				$\Delta S = 60.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>C<sub>7</sub>H<sub>16</sub>O<sub>2</sub></b> (liq)		73KUS/SUU	<b>Molecular Weight</b>	143.3035	
2,5-Dioxanonane: 1-n-Butoxy-2-methoxyethane			<b>Wiswesser Line Notation</b>	T3NTJ A2-SI-1&1&1	
<b>Heat Capacity</b>	298.15 K,	$C_p = 282.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Evaluation</b>	A	
One temperature.			T(glass)=124.0 K.		
<b>Molecular Weight</b>	132.2022				
<b>Wiswesser Line Notation</b>	4O2O1				
<b>Evaluation</b>	B				
<b>C<sub>7</sub>H<sub>16</sub>S</b> (liq)		66GOO/DEP	<b>(C<sub>7</sub>H<sub>17</sub>NSi)<sub>n</sub></b> (liq)		74LEB/RAB
1-Heptanethiol; n-Heptyl mercaptan			Poly-N-( $\beta$ -trimethylsilyl)ethylenimine		
<b>Heat Capacity</b>	298.15 K.	$C_p = 259.32 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>		
One temperature.			Temperature range 50 to 300 K. Data given graphically.		
<b>Molecular Weight</b>	132.2634		<b>Molecular Weight</b>	143.3035	
<b>Wiswesser Line Notation</b>	SH7		<b>Wiswesser Line Notation</b>	/*2N&2-SI-1&1&1 &*/	
<b>Evaluation</b>	A		<b>Evaluation</b>	A	
<b>C<sub>7</sub>H<sub>16</sub>S</b> (liq)		70FIN/MCC	T(glass)=205.5 K.		
1-Heptanethiol; n-Heptyl mercaptan					
<b>Heat Capacity</b>	298.15 K.	$C_p = 259.32 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>(C<sub>7</sub>H<sub>17</sub>NSi)<sub>n</sub></b> (liq)		75LEB/TSV
Temperature range 10 to 370 K.			Poly-N-( $\beta$ -trimethylsilyl)ethylenimine		
<b>Entropy</b>	298.15 K.	$S = 375.35 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	300 K,	$C_p = 287.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Phase Changes</b>			Temperature range 6 to 300 K.		
c/liq	229.92 K.	$\Delta H = 25384 \text{ J} \cdot \text{mol}^{-1}$	<b>Entropy</b>	300 K,	$S = 294.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
		$\Delta S = 110.40 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b>	143.3035	
<b>Molecular Weight</b>	132.2634		<b>Wiswesser Line Notation</b>	/*2N*2-SI-1&1&1/ &*/	
<b>Wiswesser Line Notation</b>	SH7		<b>Evaluation</b>	A	
<b>Evaluation</b>	A		T(glass)=207.5 K.		

$C_7H_{20}Si_2$ (c)		75GUS/KAR	$C_8F_{18}$ (liq)		82CAM/RE
Hexamethyldisilylmethane			n-Perfluorooctane		
<b>Heat Capacity</b>	298.15 K,	$C_p=357.52 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>		
Temperature range 10 to 300 K. Data given graphically.			$C_p$ is given graphically only. Temperature range 4.2 to 300 K.		
<b>Entropy</b>	298.15 K,	$S=515.89 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Phase Changes</b>		
<b>Phase Changes</b>			c,II/c,I	190–200 K,	$\Delta H=7222 \text{ J}\cdot\text{mol}^{-1}$
c/liq	140.70 K,	$\Delta H=11113 \text{ J}\cdot\text{mol}^{-1}$			$\Delta S=35.94 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
		$\Delta S=78.99 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		Data given for two solid-solid transitions at 190 and 200 K.	
liq/g	460.58 K,	$\Delta H=40250 \text{ J}\cdot\text{mol}^{-1}$	<b>Molecular Weight</b>	438.0592	
		$\Delta S=98.99 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Wiswesser Line Notation</b>	FXFFXFFXFFFXXFFFXXFFF	
<b>Molecular Weight</b>	160.4060		<b>Evaluation</b>	A	
<b>Wiswesser Line Notation</b>	1-SI-1&1&1-SI-1&1&1				
<b>Evaluation</b>	B				
$C_7H_{20}Si_2$ (liq)		82GUS/KAR	$(C_8H_3D_5)_n$ (gls)		83LEB/SM
Hexamethyldisilylmethane			Polystyrene-d <sub>5</sub>		
<b>Heat Capacity</b>	298.15 K,	$C_p=357.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p=146.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 12 to 300 K.			Temperature range 7 to 330 K.		
<b>Entropy</b>	298.15 K,	$S=515.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Entropy</b>	298.15 K,	$S=150.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Phase Changes</b>			<b>Molecular Weight</b>	109.1907	
c/liq	140.70 K,	$\Delta H=11113 \text{ J}\cdot\text{mol}^{-1}$	<b>Wiswesser Line Notation</b>	/*YR&1*/ &2-BCDEF/H-2 5	
		$\Delta S=78.99 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Evaluation</b>	A	
<b>Molecular Weight</b>	160.4060				
<b>Wiswesser Line Notation</b>	1-SI-1&1&1-SI-1&1&1				
<b>Evaluation</b>	A				
$C_8D_8$ (liq)		85LEB/LEB	$C_8H_4Cl_2O_2$ (liq)		1881RE
Styrene-d <sub>8</sub>			Phthalyl dichloride; o-Phthalyl dichloride		
<b>Heat Capacity</b>	298.15 K,	$C_p=201.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298 K,	$C_p=248.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
One temperature.			Temperature range 290 to 475 K.		
<b>Phase Changes</b>			<b>Molecular Weight</b>	203.0244	
c/liq	243.74 K,	$\Delta H=10800 \text{ J}\cdot\text{mol}^{-1}$	<b>Wiswesser Line Notation</b>	GVR BVG	
		$\Delta S=44.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Evaluation</b>	D	
<b>Molecular Weight</b>	112.2144				
<b>Wiswesser Line Notation</b>	1U1R &1/3/4/H-2 8				
<b>Evaluation</b>	B				
$(C_8D_8)_n$ (gls)		83LEB/SMI	$C_8H_4Cl_2O_2$ (c)		73SAP/MOC
Polystyrene-d <sub>8</sub>			Isophthaloyl dichloride; m-Phthalic acid dichloride		
<b>Heat Capacity</b>	298.15 K,	$C_p=154.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	300 K,	$C_p=203.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 7 to 330 K.			Temperature range 20 to 300 K.		
<b>Entropy</b>	298.15 K,	$S=154.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Entropy</b>	300 K,	$S=240.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b>	112.2144		<b>Molecular Weight</b>	203.0238	
<b>Wiswesser Line Notation</b>	/*YR&1*/ &1/2-BCDEF/4/H-2 8		<b>Wiswesser Line Notation</b>	GVR CVG	
<b>Evaluation</b>	A		<b>Evaluation</b>	C	
$C_8F_{16}$ (liq)		57YAR/KAY	$C_8H_4Cl_2O_2$ (c)		73SAP/MOC
Perfluorodimethylcyclohexane;			Terephthaloyl dichloride; p-Phthalic acid dichloride		
Hexadecafluorodimethylcyclohexane			<b>Heat Capacity</b>	300 K,	$C_p=207.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Heat Capacity</b>	298 K,	$C_p=405.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	Temperature range 20 to 300 K.		
Temperature range 298 to 373 K. Equation only.			<b>Entropy</b>	300 K,	$S=226.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b>	400.0624		<b>Molecular Weight</b>	203.0238	
<b>Wiswesser Line Notation</b>	L6TJ AXFFF AF BF CF DF EF FF XXFFF XF XF XF		<b>Wiswesser Line Notation</b>	GVR DVG	
<b>Evaluation</b>	C		<b>Evaluation</b>	C	
Unspecified isomer.					
$C_8F_{16}O$ (liq)		57YAR/KAY	$C_8H_4Cl_2O_2$ (c)		79KAR/SA
Perfluoro-3-butyltetrahydrofuran;			Terephthaloyl dichloride; p-Phthalic acid dichloride		
Hexadecafluoro-3-butyltetrahydrofuran			<b>Heat Capacity</b>	298.15 K,	$C_p=207.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Heat Capacity</b>	298 K,	$C_p=431.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	Temperature range 60 to 298 K.		
Temperature range 298 to 373 K. Equation only.			<b>Entropy</b>	298.15 K,	$S=226.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b>	416.0618		<b>Molecular Weight</b>	203.0238	
<b>Wiswesser Line Notation</b>	T5OTJ BF BF CXFFFXXFFF CF DF EF EF		<b>Wiswesser Line Notation</b>	GVR DVG	
<b>Evaluation</b>	B		<b>Evaluation</b>	A	
$C_8H_4Cl_2O_2$ (c)			$C_8H_4Cl_2O_2$ (c)		82KAR/SHV.
Perfluorodimethylcyclohexane;			Perfluorodimethylcyclohexane; p-Phthalic acid dichloride		
Hexadecafluorodimethylcyclohexane			<b>Phase Changes</b>		
<b>Heat Capacity</b>	298 K,	$C_p=431.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	c,II/c,I	337.3 K,	$\Delta H=2335 \text{ J}\cdot\text{mol}^{-1}$
Temperature range 298 to 373 K. Equation only.					$\Delta S=6.90 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b>	416.0618		c,II/liq	356.1 K,	$\Delta H=21100 \text{ J}\cdot\text{mol}^{-1}$
<b>Wiswesser Line Notation</b>	T5OTJ BF BF CXFFFXXFFF CF DF EF EF				$\Delta S=59.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Evaluation</b>	B		<b>Molecular Weight</b>	203.0238	
			<b>Wiswesser Line Notation</b>	GVR DVG	
			<b>Evaluation</b>	B	

<b>C<sub>8</sub>H<sub>4</sub>N<sub>2</sub></b> (c)	82KAR/SHV	<b>C<sub>8</sub>H<sub>5</sub>Ag</b> (c)	80BYK/KIP
1,2-Dicyanobenzene; o-Phthalonitrile		Silver phenylacetylenide	
<b>Heat Capacity</b> 298.15 K, Temperature range 13 to 480 K.	$C_p = 161.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K, Temperature range 5 to 330 K.	$C_p = 156.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Entropy</b> 298.15 K,	$S = 192.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Entropy</b> 298.15 K,	$S = 199.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Phase Changes</b> c/liq	414.0 K, $\Delta H = 20000 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 48.26 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b> 208.9955 <b>Wiswesser Line Notation</b> -AG-1UU1R <b>Evaluation</b> A	
<b>Molecular Weight</b> 128.1330 <b>Wiswesser Line Notation</b> NCR BCN <b>Evaluation</b> A			
<b>C<sub>8</sub>H<sub>4</sub>N<sub>2</sub></b> (c)	84RAB/KAR	<b>C<sub>8</sub>H<sub>5</sub>Cu</b> (c)	79LEB/BYK
1,2-Dicyanobenzene; o-Phthalonitrile		Copper phenylacetylenide	
<b>Heat Capacity</b> 298.15 K, Temperature range 13 to 500 K.	$C_p = 161.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K, Temperature range 11 to 330 K.	$C_p = 154.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Entropy</b> 298.15 K,	$S = 192.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Entropy</b> 298.15 K,	$S = 173.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Phase Changes</b> c/liq	414.0 K, $\Delta H = 20000 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 48.26 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b> 164.6735 <b>Wiswesser Line Notation</b> -CU-1UU1R <b>Evaluation</b> A	
<b>Molecular Weight</b> 128.1330 <b>Wiswesser Line Notation</b> NCR BCN <b>Evaluation</b> A			
<b>C<sub>8</sub>H<sub>4</sub>N<sub>2</sub></b> (c)	88LEB/BYK	<b>C<sub>8</sub>H<sub>5</sub>Cu</b> (c)	82BYK/LEB
1,4-Dicyanobenzene; Terephthalodinitrile		Copper phenylacetylenide	
<b>Heat Capacity</b> 298.15 K, Temperature range 0 to 330 K.	$C_p = 161.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K, Temperature range 5 to 330 K.	$C_p = 154.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Entropy</b> 298.15 K,	$S = 183.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Entropy</b> 298.15 K,	$S = 173.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b> 128.1330 <b>Wiswesser Line Notation</b> NCR DCN <b>Evaluation</b> A		<b>Molecular Weight</b> 164.6735 <b>Wiswesser Line Notation</b> -CU-1UU1R <b>Evaluation</b> A	
<b>C<sub>8</sub>H<sub>4</sub>N<sub>2</sub>O<sub>2</sub></b> (c)	62STR/BAR	<b>(C<sub>8</sub>H<sub>5</sub>D<sub>3</sub>)<sub>n</sub></b> (gls)	83LEB/SMI
1,4-Phenylenediisocyanate; 1,4-Diisocyanatobenzene		Polystyrene-d <sub>3</sub>	
<b>Heat Capacity</b> 298 K,	$C_p = 211.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K, Temperature range 7 to 330 K.	$C_p = 139.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
One temperature.		<b>Entropy</b> 298.15 K,	$S = 143.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b> 160.1318 <b>Wiswesser Line Notation</b> OCNR DNCO <b>Evaluation</b> D		<b>Molecular Weight</b> 107.1749 <b>Wiswesser Line Notation</b> /*YR&1*/ &3/6/H-2 3 <b>Evaluation</b> A	
<b>C<sub>8</sub>H<sub>4</sub>O<sub>3</sub></b> (c)	36PAR/TOD	<b>C<sub>8</sub>H<sub>5</sub>F<sub>3</sub>O<sub>2</sub></b> (liq)	62GOO/LAC
Phthalic anhydride		3-Trifluoromethylbenzoic acid; m-Trifluorotoluic acid; $\alpha, \alpha, \alpha$ -Trifluoro-m-toluic acid	
<b>Heat Capacity</b> 298.1 K,	$C_p = 161.80 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K, One temperature.	$C_p = 223.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 90 to 300 K.		<b>Molecular Weight</b> 190.1215 <b>Wiswesser Line Notation</b> QVR CXGGG <b>Evaluation</b> B	
<b>Entropy</b> 298.1 K,	$S = 179.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
Extrapolation below 90 K. 58.12 $\text{J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .			
<b>Molecular Weight</b> 148.1178 <b>Wiswesser Line Notation</b> T56 BVOVJ <b>Evaluation</b> B(C <sub>n</sub> )C(S)			
<b>C<sub>8</sub>H<sub>4</sub>O<sub>3</sub></b> (c)	87BUS/MAS	<b>C<sub>8</sub>H<sub>5</sub>MnO<sub>3</sub></b> (c)	83CHH/POM
Phthalic anhydride		Cymantrene; Cyclopentadienyl manganese tricarboxyl	
<b>Heat Capacity</b> 298.15 K, Temperature range 13 to 350 K.	$C_p = 160.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K, Temperature range 10 to 300 K.	$C_p = 214.79 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Entropy</b> 298.15 K,	$S = 180.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Entropy</b> 298.15 K,	$S = 259.35 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b> 148.1178 <b>Wiswesser Line Notation</b> T56 BVOVJ <b>Evaluation</b> A		<b>Phase Changes</b> c,II/c,I 75-135 K, "Abnormally" high heat capacity. c/liq 350 K,	$\Delta S = < 1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ $\Delta H = 19300 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 55 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
		<b>Molecular Weight</b> 204.0637 <b>Wiswesser Line Notation</b> L5φJ φ-MN- CO 3 <b>Evaluation</b> A	

$C_8H_6$ (liq)		31SMI/AND	$C_8H_6O_3$ (c)	92STE/CH
Phenylacetylene			Benzoyl formic acid	
<b>Heat Capacity</b>	298.5 K,	$C_p = 179.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K, $C_p = 192.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range	102 to 298 K.	Value is unsmoothed	Temperature range	285 to 425 K. C/R(c)=0.025T+15.78 (285 to 338.9 K); C/R(liq)=0.0411T+17.67 (338.9 to 425 K), R=8.3145 J/K·mol.
<b>Molecular Weight</b>	102.1354		<b>Phase Changes</b>	
<b>Wiswesser Line Notation</b>	1UU1R		c/liq	338.9 K, $\Delta H = 21800 \text{ J} \cdot \text{mol}^{-1}$
<b>Evaluation</b>	C		<b>Molecular Weight</b>	150.1336
			<b>Wiswesser Line Notation</b>	QVVR
			<b>Evaluation</b>	A
 $C_8H_6$ (liq)		82LEB/BYK	 $C_8H_6O_4$ (c)	36PAR/TOI
Phenylacetylene			o-Phthalic acid; Phthalic acid	
<b>Heat Capacity</b>	298.15 K,	$C_p = 180.10 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.1 K, $C_p = 188.11 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range	13.8 to 480 K.		Temperature range	90 to 300 K.
<b>Entropy</b>	298.15 K,	$S = 221.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Entropy</b>	298.1 K, $S = 207.94 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Phase Changes</b>			Extrapolation below 90 K, 66.19 $\text{J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .	
c/liq	228.04 K,	$\Delta H = 9460 \text{ J} \cdot \text{mol}^{-1}$	<b>Molecular Weight</b>	166.1330
		$\Delta S = 41.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Wiswesser Line Notation</b>	QVR BVQ
<b>Molecular Weight</b>	102.1354		<b>Evaluation</b>	$B(C_p), C(S)$
<b>Wiswesser Line Notation</b>	1UU1R			
<b>Evaluation</b>	A			
 $C_8H_6N_2$ (c)		93SAB/PEM	 $C_8H_6O_4$ (c)	39SAT/SOG
Phthalazine			o-Phthalic acid; Phthalic acid	
<b>Phase Changes</b>			<b>Heat Capacity</b>	323 K, $C_p = 201.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c/liq/g	364.41 K		Temperature range	0 to 100 °C. Mean value.
c/liq		$\Delta H = 13320 \text{ J} \cdot \text{mol}^{-1}$	<b>Molecular Weight</b>	166.1330
c/g	298.15 K	$\Delta H = 81140 \text{ J} \cdot \text{mol}^{-1}$	<b>Wiswesser Line Notation</b>	QVR BVQ
<b>Molecular Weight</b>	130.1488		<b>Evaluation</b>	C
<b>Wiswesser Line Notation</b>	T66 CNNJ			Same data in 40SAT/SOG.
<b>Evaluation</b>	A			
 $C_8H_6N_2$ (c)		93SAB/PEM	 $C_8H_6O_4$ (c)	41SAT/SOG
Quinazoline			o-Phthalic acid; Phthalic acid	
<b>Phase Changes</b>			<b>Heat Capacity</b>	323 K, $C_p = 201.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c/liq/g	320.82 K		Temperature range	0 to 100 °C. Mean value.
c/liq		$\Delta H = 16950 \text{ J} \cdot \text{mol}^{-1}$	<b>Molecular Weight</b>	166.1330
c/g	298.15 K	$\Delta H = 77590 \text{ J} \cdot \text{mol}^{-1}$	<b>Wiswesser Line Notation</b>	QVR BVQ
<b>Molecular Weight</b>	130.1488		<b>Evaluation</b>	C
<b>Wiswesser Line Notation</b>	T66 BN DNJ			Same data in 40SAT/SOG5.
<b>Evaluation</b>	A			
 $C_8H_6N_2$ (c)		93SAB/PEM	 $C_8H_6O_4$ (c)	39SAT/SOG
Quinoxaline			m-Phthalic acid; Isophthalic acid	
<b>Phase Changes</b>			<b>Heat Capacity</b>	323 K, $C_p = 201.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c/liq/g	305.68 K		Temperature range	0 to 100 °C. Mean value.
c/liq		$\Delta H = 11800 \text{ J} \cdot \text{mol}^{-1}$	<b>Molecular Weight</b>	166.1330
c/g	298.15 K	$\Delta H = 69390 \text{ J} \cdot \text{mol}^{-1}$	<b>Wiswesser Line Notation</b>	QVR CVQ
<b>Molecular Weight</b>	130.1488		<b>Evaluation</b>	C
<b>Wiswesser Line Notation</b>	T66 BN ENJ			See data in 40SAT/SOG.
<b>Evaluation</b>	A			
 $C_8H_6O$ (liq)		86CHI/NGU	 $C_8H_6O_4$ (c)	41SAT/SOG
2,3-Benzofuran			m-Phthalic acid; Isophthalic acid	
<b>Heat Capacity</b>	298.15 K,	$C_p = 178.70 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	323 K, $C_p = 201.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range	10 to 450 K.		Temperature range	0 to 100 °C. Mean value.
<b>Entropy</b>	298.15 K,	$S = 215.59 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b>	166.1330
<b>Phase Changes</b>			<b>Wiswesser Line Notation</b>	QVR CVQ
c,II/c,I	232.000 K		<b>Evaluation</b>	C
c,I/liq	245.482 K			Same data in 40SAT/SOG5.
<b>Molecular Weight</b>	118.1348			
<b>Wiswesser Line Notation</b>	T56 BOJ			
<b>Evaluation</b>	A			

<b>C<sub>8</sub>H<sub>6</sub>O<sub>4</sub></b> (c)	41SAT/SOG4	<b>C<sub>8</sub>H<sub>6</sub>N<sub>5</sub>O<sub>8</sub></b> (c)	73KRI/LIC
p-Pthalic acid; Terephthalic acid		2,4,6-Trinitrophenylethyl nitramine; Ethyltetral; 2,4,6,N-Tetranitro-N-methyltoluidine	
<b>Heat Capacity</b> 323 K, $C_p = 199.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298 K, $C_p = 332.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 0 to 100 °C. Mean value.		Temperature range 200 to 369 K. Equation only.	
<b>Molecular Weight</b> 166.1330		<b>Phase Changes</b>	
<b>Wiswesser Line Notation</b> QVR DVQ		c/liq 369.0 K, $\Delta H = 23510 \text{ J} \cdot \text{mol}^{-1}$	
<b>Evaluation</b> C		$\Delta S = 63.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Same data in 40SAT/SOG5.		<b>Molecular Weight</b> 301.1720	
<b>C<sub>8</sub>H<sub>6</sub>S</b> (c)	54FIN/GRO	<b>Wiswesser Line Notation</b> WNN2&R BNW DNW FNW	
Benzothiophene		<b>Evaluation</b> C	
<b>Heat Capacity</b> 298.15 K, $C_p = 163.01 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>C<sub>8</sub>H<sub>8</sub></b> (liq)	31SMI/AND
Temperature range 12 to 335 K.		Styrene	
<b>Entropy</b> 298.15 K, $S = 177.11 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298.5 K, $C_p = 179.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Phase Changes</b>		Temperature range 102 to 299 K. Value is unsmoothed experimental datum.	
c/liq 304.50 K, $\Delta H = 11827 \text{ J} \cdot \text{mol}^{-1}$		<b>Molecular Weight</b> 104.1512	
$\Delta S = 38.84 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Wiswesser Line Notation</b> 1U1R	
<b>Molecular Weight</b> 134.1954		<b>Evaluation</b> C	
<b>Wiswesser Line Notation</b> T56 BSJ			
<b>Evaluation</b> A			
<b>C<sub>8</sub>H<sub>6</sub>S</b> (c,l)	91CHI/KNI2	<b>C<sub>8</sub>H<sub>8</sub></b> (liq)	43GUT/WES
Benzothiophene		Styrene	
<b>Heat Capacity</b> 295.859 K, $C_p = 172.14 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Entropy</b> 298.15 K, $S = 237.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 277 to 495 K. Unsmoothed experimental datum. $C_p$ (liq, 298.15 K, smoothed, graphical extrapolation)=188.17 $\text{J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .		<b>Phase Changes</b>	
<b>Entropy</b> K, $S = \text{J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		c/liq 242.47 K, $\Delta H = 10950 \text{ J} \cdot \text{mol}^{-1}$	
S(liq, 298.15 K, smoothed, graphical extrapolation)=219.05 $\text{J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .		$\Delta S = 45.16 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Phase Changes</b>		<b>Molecular Weight</b> 104.1512	
c/I/liq 304.48 K, $\Delta H = 11819.1 \text{ J} \cdot \text{mol}^{-1}$		<b>Wiswesser Line Notation</b> 1U1R	
$\Delta S = 38.82 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Evaluation</b> A	
<b>Molecular Weight</b> 134.1954		<b>C<sub>8</sub>H<sub>8</sub></b> (liq)	46PIT/GUT
<b>Wiswesser Line Notation</b> T56 BSJ		Styrene	
<b>Evaluation</b> A		<b>Heat Capacity</b> 298.15 K, $C_p = 182.84 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>C<sub>8</sub>H<sub>7</sub>ClN<sub>2</sub>O<sub>2</sub></b> (c)	82CUE/SOL	Temperature range 15 to 300 K.	
2-Chloroisonitrosoacetanilide		<b>Entropy</b> 298.15 K, $S = 237.57 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Phase Changes</b>		<b>Phase Changes</b>	
c/liq 429 K, $\Delta H = 29700 \text{ J} \cdot \text{mol}^{-1}$		c/liq 242.27 K, $\Delta H = 10949 \text{ J} \cdot \text{mol}^{-1}$	
$\Delta S = 69.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		$\Delta S = 45.16 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Molecular Weight</b> 198.6085		<b>Molecular Weight</b> 104.1512	
<b>Wiswesser Line Notation</b> QVU1VMR BG		<b>Wiswesser Line Notation</b> 1U1R	
<b>Evaluation</b> D		<b>Evaluation</b> A	
<b>C<sub>8</sub>H<sub>7</sub>N</b> (c)	81LEB/RYA	<b>C<sub>8</sub>H<sub>8</sub></b> (liq)	50KUR
Indole; 1-Benz[b]pyrrole		Styrene	
<b>Heat Capacity</b> $C_p = 192.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298 K, $C_p = 235.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 298 to 318 K. Data given over temperature range.		Temperature range 21 to 139 °C.	
<b>Molecular Weight</b> 117.1500		<b>Molecular Weight</b> 104.1512	
<b>Wiswesser Line Notation</b> T56 BMJ		<b>Wiswesser Line Notation</b> 1U1R	
<b>Evaluation</b> B		<b>Evaluation</b> B	
<b>C<sub>8</sub>H<sub>7</sub>N<sub>5</sub>O<sub>8</sub></b> (c)	73KRI/LIC	<b>C<sub>8</sub>H<sub>8</sub></b> (liq)	61WAR/PET2
2,4,6-Trinitro-N-(methylnitro)-m-toluidene; Methyltetral; 2,4,6,N-Tetranitro-N-methyltoluidine		Styrene	
<b>Heat Capacity</b> 298 K, $C_p = 326.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298.16 K, $C_p = 182.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 200 to 376 K. Equation only.		Temperature range 10 to 300 K.	
<b>Phase Changes</b>		<b>Entropy</b> 298.16 K, $S = 240.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
c/liq 375.6 K, $\Delta H = 19330 \text{ J} \cdot \text{mol}^{-1}$		<b>Phase Changes</b>	
$\Delta S = 51.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		c/liq 242.27 K, $\Delta H = 10964 \text{ J} \cdot \text{mol}^{-1}$	
<b>Molecular Weight</b> 301.1720		$\Delta S = 45.32 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Wiswesser Line Notation</b> WNN1&R C1 BNW DNW FNW		<b>Molecular Weight</b> 104.1512	
<b>Evaluation</b> C		<b>Wiswesser Line Notation</b> 1U1R	
		<b>Evaluation</b> A	

$C_8H_8$ (liq)		85LEB/LEB	$(C_8H_8)_n$ (c)		65ABU/DOL
Styrene			Polystyrene, isotactic, annealed		
<b>Heat Capacity</b>	298.15 K, One temperature.	$C_p = 183.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298 K, Temperature range 298 to 348 K. Values per monomer unit.	$C_p = 123.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Phase Changes</b>			<b>Molecular Weight</b>	104.1512	
c/liq	242.47 K,	$\Delta H = 10950 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 45.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Wiswesser Line Notation</b>	/*YR&I*/	
<b>Molecular Weight</b>	104.1512		<b>Evaluation</b>	B	
<b>Wiswesser Line Notation</b>	1U1R		Also data for amorphous and semicrystalline isotactic, and above glass transition.		
<b>Evaluation</b>	B				
$C_8H_8$ (c)		92WHI/WAS	$(C_8H_8)_n$ (c)		65KAR/BA
Cubane; Pentacyclo[4.2.0.0 <sup>2,5</sup> .0 <sup>3,8</sup> .0 <sup>4,7</sup> ]octane			Polystyrene		
<b>Heat Capacity</b>	Temperature range 30 to 400 K. Data given graphically only.		<b>Heat Capacity</b>	298.15 K, Temperature range 305 to 525 K. Glass transition at 355 K. Value: per $C_8H_8$ unit.	$C_p = 127.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Phase Changes</b>			<b>Molecular Weight</b>	104.1512	
c,II/c,I	395.04 K,	$\Delta H = 5940 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 15.37 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Wiswesser Line Notation</b>	/*YR&I*/	
c,I/liq	404.9 K,	$\Delta H = 8700 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 22.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Evaluation</b>	B	
<b>Molecular Weight</b>	104.1512				
<b>Wiswesser Line Notation</b>	L444 B4 C4 4ABCD HTJ				
<b>Evaluation</b>	A				
$C_8H_8$ (liq)		49SCO/GRO	$(C_8H_8)_n$ (amorp)		65KAR/BA
Cyclooctatetraene			Polystyrene, isotactic		
<b>Heat Capacity</b>	298.15 K, Temperature range 12 to 340 K.	$C_p = 185.18 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K, Temperature range 300 to 522 K. Glass transition at 360 K. Value: per $C_8H_8$ unit.	$C_p = 127.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Entropy</b>	298.15 K,	$S = 220.29 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b>	104.1512	
<b>Phase Changes</b>			<b>Wiswesser Line Notation</b>	/*YR&I*/	
c/liq	268.48 K,	$\Delta H = 11274.2 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 41.493 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Evaluation</b>	B	
<b>Molecular Weight</b>	104.1512				
<b>Wiswesser Line Notation</b>	L8J				
<b>Evaluation</b>	A				
$(C_8H_8)_n$ (c)		61WAR/PET2	$(C_8H_8)_n$ (amorp)		65KAR/BA
Polystyrene			Polystyrene, atactic		
<b>Heat Capacity</b>	298.16 K, Temperature range 5 to 395 K. Interpolated.	$C_p = 131.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K, Temperature range 80 to 480 K. Also annealed sample, 293 to 375 K. Glass transition at about 367 K. Values per $C_8H_8$ unit.	$C_p = 127.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Entropy</b>	298.16 K,	$S = 128.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b>	104.1512	
<b>Molecular Weight</b>	104.1512		<b>Wiswesser Line Notation</b>	/*YR&I*/	
<b>Wiswesser Line Notation</b>	/*YR&I*/		<b>Evaluation</b>	B	
<b>Evaluation</b>	A		NBS broad molecular weight distribution. Sample NS706.		
$(C_8H_8)_n$ (c)		62DAI/EVA4	$(C_8H_8)_n$ (c)		68CHA/BES
Polystyrene, isotactic			Polystyrene		
<b>Heat Capacity</b>	298.15 K, Temperature range 20 to 310 K.	$C_p = 127.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K, Temperature range 10 to 360 K. National Bureau of Standard sample 705.	$C_p = 127.48 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Entropy</b>	298.15 K,	$S = 131.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Entropy</b>	298.15 K,	$S = 134.83 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
	When extrapolated to 100% crystallinity, the entropy is 128.4 J · mol <sup>-1</sup> · K <sup>-1</sup> .				
<b>Molecular Weight</b>	104.1512				
<b>Wiswesser Line Notation</b>	/*YR&I*/				
<b>Evaluation</b>	A				
$(C_8H_8)_n$ (c)		65ABU/DOL	$(C_8H_8)_n$ (gls)		83LEB/SM
Polystyrene, atactic			Polystyrene		
<b>Heat Capacity</b>	298 K, Temperature range 223 to 553 K. Value per monomer unit.	$C_p = 124.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K, Temperature range 7 to 330 K.	$C_p = 127.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	104.1512		<b>Entropy</b>	298.15 K,	$S = 134.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b>	/*YR&I*/		<b>Molecular Weight</b>	104.1512	
<b>Evaluation</b>	B		<b>Wiswesser Line Notation</b>	/*YR&I*/	
	Also data above the glass transition.		<b>Evaluation</b>	D	

$C_8H_8N_2O_2$ (c) Isonitrosacetanilide <b>Phase Changes</b> c/liq 448 K, $\Delta H = 10400 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 23.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	82CUE/SOL	$C_8H_8O_2$ (liq) Methyl benzoate <b>Heat Capacity</b> 298.15 K, $C_p = 221.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ One temperature. <b>Molecular Weight</b> 136.1500 <b>Wiswesser Line Notation</b> QNU1VMR <b>Evaluation</b> D	79FUC
<b>Molecular Weight</b> 164.1634 <b>Wiswesser Line Notation</b> QNU1VMR <b>Evaluation</b> D		<b>Evaluation</b> B	
$C_8H_8N_2O_3$ (c) p-Nitroacetanilide <b>Heat Capacity</b> 323 K, $C_p = 230.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ Temperature range 0 to 100 °C. Mean value. <b>Molecular Weight</b> 180.1628 <b>Wiswesser Line Notation</b> WNR DMV1 <b>Evaluation</b> C Same data in 40SAT/SOG2.	41SAT/SOG	$C_8H_8O_2$ (c) o-Toluic acid; 2-Methylbenzoic acid <b>Heat Capacity</b> 298 K, $C_p = 174.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ Temperature range 22 to 200 °C. <b>Phase Changes</b> c/liq 376.9 K, $\Delta H = 20170 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 53.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	26AND/LYN
<b>Molecular Weight</b> 136.1500 <b>Wiswesser Line Notation</b> QVR B1 <b>Evaluation</b> C		<b>Molecular Weight</b> 136.1500 <b>Wiswesser Line Notation</b> QVR B1 <b>Evaluation</b> C	
$C_8H_8N_6O_6$ (c) Ammonium purpure: Murexide <b>Heat Capacity</b> 300 K, $C_p = 600 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ Temperature range 300 to 550 K. Data given graphically only. $C_p$ value estimated from graph. <b>Molecular Weight</b> 284.1878 <b>Wiswesser Line Notation</b> T6VMVMVJ FUN- FT6VMVMQJ EQ &ZH <b>Evaluation</b> C	93ABD/TAH	$C_8H_8O_2$ (c) m-Toluic acid; 3-Methylbenzoic acid <b>Heat Capacity</b> 298 K, $C_p = 163.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ Temperature range 22 to 170 °C. <b>Phase Changes</b> c/liq 381.9 K, $\Delta H = 15730 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 41.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	26AND/LYN
<b>Molecular Weight</b> 136.1500 <b>Wiswesser Line Notation</b> QVR C1 <b>Evaluation</b> C		<b>Molecular Weight</b> 136.1500 <b>Wiswesser Line Notation</b> QVR C1 <b>Evaluation</b> C	
$C_8H_8O$ (liq) Acetophenone; Methyl phenyl ketone <b>Heat Capacity</b> 303.2 K, $C_p = 227.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ One temperature. <b>Molecular Weight</b> 120.1506 <b>Wiswesser Line Notation</b> 1VR <b>Evaluation</b> C	39PHI	$C_8H_8O_2$ (c) p-Toluic acid; 4-Methylbenzoic acid <b>Heat Capacity</b> 298 K, $C_p = 169.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ Temperature range 22 to 225 °C. <b>Phase Changes</b> c/liq 452.8 K, $\Delta H = 22720 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 50.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	26AND/LYN
<b>Molecular Weight</b> 136.1500 <b>Wiswesser Line Notation</b> QVR D1 <b>Evaluation</b> C		<b>Molecular Weight</b> 136.1500 <b>Wiswesser Line Notation</b> QVR D1 <b>Evaluation</b> C	
$C_8H_8O$ (liq) 4,5-Dihydro-2,3-benzofuran; Coumaran <b>Heat Capacity</b> 298.15 K, $C_p = 188.64 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ Temperature range 10 to 450 K. <b>Entropy</b> 298.15 K, $S = 226.43 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ <b>Phase Changes</b> c/liq 250.890 K	86CHI/NGU	$C_8H_8O_3$ (liq) Methyl salicylate <b>Heat Capacity</b> 295.2 K, $C_p = 268.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ One temperature. <b>Molecular Weight</b> 152.1494 <b>Wiswesser Line Notation</b> QR BVO1 <b>Evaluation</b> C	33KOL/UDO
<b>Molecular Weight</b> 120.1506 <b>Wiswesser Line Notation</b> T56 BOT&J <b>Evaluation</b> A		<b>Molecular Weight</b> 152.1494 <b>Wiswesser Line Notation</b> QR BVO1 <b>Evaluation</b> C	
$C_8H_8O$ (liq) 2,5-Dihydro-3,4-benzofuran; Phthalan <b>Heat Capacity</b> 298.15 K, $C_p = 188.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ One temperature. <b>Molecular Weight</b> 120.1506 <b>Wiswesser Line Notation</b> T56 COT&J <b>Evaluation</b> A	93STE/CHI2	$C_8H_8O_3$ (liq) Methyl salicylate <b>Heat Capacity</b> 295.2 K, $C_p = 248.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ One temperature. <b>Molecular Weight</b> 152.1494 <b>Wiswesser Line Notation</b> QR BVO1 <b>Evaluation</b> C	34KOL/UDO2
<b>Molecular Weight</b> 120.1506 <b>Wiswesser Line Notation</b> T56 COT&J <b>Evaluation</b> A		<b>Molecular Weight</b> 152.1494 <b>Wiswesser Line Notation</b> QR BVO1 <b>Evaluation</b> C	
$C_8H_8O_2$ (liq) Methyl benzoate <b>Heat Capacity</b> 297 K, $C_p = 216.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ One temperature. <b>Molecular Weight</b> 136.1500 <b>Wiswesser Line Notation</b> 1OVR <b>Evaluation</b> C	71HAL/BAL	$C_8H_8O_3$ (c) 4-Methoxybenzoic acid; p-Anisic acid <b>Heat Capacity</b> 323 K, $C_p = 205.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ Temperature range 0 to 100 °C. Mean value. <b>Molecular Weight</b> 152.1494 <b>Wiswesser Line Notation</b> QVR DO1 <b>Evaluation</b> C Same data as 40SAT/SOG4.	41SAT/SOG3

$C_8H_8O_3$ (c)		92SAB/ELW3	$C_8H_9NO_2$ (c)		26AND/LY
4-Methoxybenzoic acid; p-Anisic acid			o-Hydroxyacetanilide		
<b>Phase Changes</b>			<b>Heat Capacity</b>	298 K,	$C_p=182.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c/liq	456.70 K,	$\Delta H=28330 \text{ J} \cdot \text{mol}^{-1}$	Temperature range 22 to 140 °C.		
<b>Molecular Weight</b>	152.1494		<b>Phase Changes</b>		
<b>Wiswesser Line Notation</b>	QVR DO1		c/liq	364.5 K,	$\Delta H=21250 \text{ J} \cdot \text{mol}^{-1}$
<b>Evaluation</b>	A				$\Delta S=58.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
$C_8H_8O_3$ (c)		41SAT/SOG3	<b>Molecular Weight</b>	151.1646	
Mandelic acid			<b>Wiswesser Line Notation</b>	QR BMV1	
<b>Heat Capacity</b>	323 K,	$C_p=199.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Evaluation</b>	C	
Temperature range 0 to 100 °C. Mean value.					
<b>Molecular Weight</b>	152.1494				
<b>Wiswesser Line Notation</b>	QVYQR				
<b>Evaluation</b>	C				
Same data as 40SAT/SOG4.					
$C_8H_8O_3$ (c)		78GEI/KAR2	$C_8H_9NO_2$ (c)		80SAB/SK
Tetrahydrophthalic anhydride			N-Phenylglycine		
<b>Heat Capacity</b>			<b>Heat Capacity</b>	298.15 K,	$C_p=176.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 12 to 390 K. Data deposited in VINITI, No. 3882-77, 5 October 1977. Includes $C_p$ , S, $\Delta H_m$ , Tm.			Temperature range 298.15 K. One temperature.		
<b>Molecular Weight</b>	152.1494		<b>Phase Changes</b>		
<b>Wiswesser Line Notation</b>	T666 1A M CVOVT&&J		c/g	298.15 K,	$\Delta H=128.0 \text{ J} \cdot \text{mol}^{-1}$
<b>Evaluation</b>	B (for original data)				$\Delta S=0.43 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Sublimation measurements made over 350 to 380 K; da corrected to 298.15 K.					
$C_8H_9NO$ (c)		41SAT/SOG	<b>Molecular Weight</b>	151.1646	
Acetanilide			<b>Wiswesser Line Notation</b>	QV1MR	
<b>Heat Capacity</b>	323 K,	$C_p=191.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Evaluation</b>	A	
Temperature range 0 to 100 °C. Mean value.					
<b>Molecular Weight</b>	135.1652				
<b>Wiswesser Line Notation</b>	1VMR				
<b>Evaluation</b>	C				
Same data in 40SAT/SOG2.					
$C_8H_9NO$ (c)		80AND/CON	$C_8H_9NO_2$ (c)		80SAB/SK
Acetanilide			$\alpha$ -Phenylglycine(D)		
<b>Phase Changes</b>			<b>Heat Capacity</b>	298.15 K,	$C_p=177.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c/l/liq	387.525 K,	$\Delta H=21653 \text{ J} \cdot \text{mol}^{-1}$	Temperature range 298.15 K. One temperature.		
		$\Delta S=55.87 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Phase Changes</b>		
<b>Molecular Weight</b>	135.1652		c/g	298.15 K,	$\Delta H=165 \text{ J} \cdot \text{mol}^{-1}$
<b>Wiswesser Line Notation</b>	1VMR				$\Delta S=0.55 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Evaluation</b>	A				
Sublimation measurements made over 435 to 455 K; da corrected to 298.15 K.					
$C_8H_9NO$ (c)		86NIL/WAD2	<b>Molecular Weight</b>	151.1646	
Acetanilide			<b>Wiswesser Line Notation</b>	ZYRVQ	
<b>Heat Capacity</b>	298.15 K,	$C_p=179.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Evaluation</b>	A	
One temperature.					
<b>Molecular Weight</b>	135.1652				
<b>Wiswesser Line Notation</b>	1VMR				
<b>Evaluation</b>	B				
$C_8H_9NO_2$ (c)		71PRI	$C_8H_9NO_3$ (c)		81LEB/RY
Methyl N-phenylcarbamate			p-Nitrophenetole; p-Nitroethoxybenzene		
<b>Heat Capacity</b>	298 K,	$C_p=203.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>		$C_p=246.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 200 to 390 K. Complete data deposited in VINITI, No. 2713-71, 25 March 1971.			Temperature range 298 to 328 K. Data given over temperatu range.		
<b>Phase Changes</b>			<b>Molecular Weight</b>	167.1640	
c/liq	325 K,	$\Delta H=14548 \text{ J} \cdot \text{mol}^{-1}$	<b>Wiswesser Line Notation</b>	WNR DO2	
		$\Delta S=44.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Evaluation</b>	B	
<b>Molecular Weight</b>	151.1646		Same data in 40 SAT/SOG.		
<b>Wiswesser Line Notation</b>	1OVMR				
<b>Evaluation</b>	B				
$C_8H_9NO_2$ (c)			$C_8H_9NO_4$ (c)		39SAT/SOC
			Ammonium acid o-phthalate		
<b>Heat Capacity</b>	298 K,	$C_p=203.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	323 K,	$C_p=279.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 0 to 100 °C. Mean value.			Temperature range 0 to 100 °C. Mean value.		
<b>Phase Changes</b>			<b>Molecular Weight</b>	183.1634	
c/liq	325 K,	$\Delta H=14548 \text{ J} \cdot \text{mol}^{-1}$	<b>Wiswesser Line Notation</b>	QVR BVQ &ZH	
		$\Delta S=44.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Evaluation</b>	C	
<b>Molecular Weight</b>	151.1646		Same data in 40 SAT/SOG.		
<b>Wiswesser Line Notation</b>	1OVMR				
<b>Evaluation</b>	B				
$C_8H_9NO_4$ (c)			$C_8H_9NO_4$ (c)		39SAT/SOC
			Ammonium acid m-phthalate		
<b>Heat Capacity</b>	323 K,	$C_p=251.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	323 K,	$C_p=251.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 0 to 100 °C. Mean value.			Temperature range 0 to 100 °C. Mean value.		
<b>Molecular Weight</b>	183.1634		<b>Molecular Weight</b>	183.1634	
<b>Wiswesser Line Notation</b>	QVR CVQ &ZH		<b>Wiswesser Line Notation</b>	QVR CVQ &ZH	
<b>Evaluation</b>	C		<b>Evaluation</b>	C	
Same data in 40 SAT/SOG.			Same data in 40 SAT/SOG.		

<b>C<sub>8</sub>H<sub>10</sub></b> (liq)	24WIL/DAN	<b>C<sub>8</sub>H<sub>10</sub></b> (liq)	79FOR/BEN	
1,2-Dimethylbenzene; o-Xylene		1,2-Dimethylbenzene; o-Xylene		
<b>Heat Capacity</b> 303 K,	$C_p = 182.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p = 187.653 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 303 to 348 K. Equation only.		One temperature.		
<b>Molecular Weight</b> 106.1670		<b>Molecular Weight</b> 106.1670		
<b>Wiswesser Line Notation</b> 1R B1		<b>Wiswesser Line Notation</b> 1R B1		
<b>Evaluation</b> C		<b>Evaluation</b> B		
<b>C<sub>8</sub>H<sub>10</sub></b> (liq)	30HUF/PAR	<b>C<sub>8</sub>H<sub>10</sub></b> (liq)	24WIL/DAN	
1,2-Dimethylbenzene; o-Xylene		1,3-Dimethylbenzene; m-Xylene		
<b>Heat Capacity</b> 298.1 K,	$C_p = 183.89 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 303 K,	$C_p = 178.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 90 to 295 K. Value is unsmoothed experimental datum.		Temperature range 303 to 348 K. Equation only.		
<b>Entropy</b> 298.1 K,	$S = 248.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b> 106.1670		
Extrapolation below 90 K, 60.79 $\text{J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .		<b>Wiswesser Line Notation</b> 1R C1		
<b>Phase Changes</b>		<b>Evaluation</b> C		
c,II/c,I	208 K,	$\Delta H = 31 \text{ J} \cdot \text{mol}^{-1}$		
		$\Delta S = 0.15 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
c,I/liq	247.8 K,	$\Delta H = 13037 \text{ J} \cdot \text{mol}^{-1}$		
		$\Delta S = 52.61 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
<b>Molecular Weight</b> 106.1670				
<b>Wiswesser Line Notation</b> 1R B1				
<b>Evaluation</b> B( $C_p$ ),C(S)				
<b>C<sub>8</sub>H<sub>10</sub></b> (liq)	43PIT/SCO	<b>C<sub>8</sub>H<sub>10</sub></b> (liq)	30HUF/PAR	
1,2-Dimethylbenzene; o-Xylene		1,3-Dimethylbenzene; m-Xylene		
<b>Heat Capacity</b> 298.15 K,	$C_p = 187.82 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 275.3 K,	$C_p = 175.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 14 to 301 K.		Temperature range 96 to 275 K. Value is unsmoothed experimental datum.		
<b>Entropy</b> 298.15 K,	$S = 246.02 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Entropy</b> 298.1 K,	$S = 252.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Phase Changes</b>		Extrapolation below 90 K, 66.94 $\text{J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .		
c/liq	247.82 K,	<b>Phase Changes</b>		
		c,II/c,I	166 K,	
			$\Delta H = 208 \text{ J} \cdot \text{mol}^{-1}$	
			$\Delta S = 1.25 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
			c,I/liq	219.6 K,
			$\Delta H = 11443 \text{ J} \cdot \text{mol}^{-1}$	
			$\Delta S = 52.11 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Molecular Weight</b> 106.1670		<b>Molecular Weight</b> 106.1670		
<b>Wiswesser Line Notation</b> 1R B1		<b>Wiswesser Line Notation</b> 1R C1		
<b>Evaluation</b> A		<b>Evaluation</b> B( $C_p$ ),C(S)		
<b>C<sub>8</sub>H<sub>10</sub></b> (liq)	47KUR	<b>C<sub>8</sub>H<sub>10</sub></b> (liq)	43PIT/SCO	
1,2-Dimethylbenzene; o-Xylene		1,3-Dimethylbenzene; m-Xylene		
<b>Heat Capacity</b> 298 K,	$C_p = 187.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p = 183.18 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 15 to 132 °C, mean $C_p$ , three temperatures.		Temperature range 14 to 320 K.		
<b>Molecular Weight</b> 106.1670		<b>Entropy</b> 298.15 K,	$S = 253.80 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Wiswesser Line Notation</b> 1R B1		<b>Phase Changes</b>		
<b>Evaluation</b> D		c/liq	225.27 K,	
			$\Delta H = 11569 \text{ J} \cdot \text{mol}^{-1}$	
			$\Delta S = 51.36 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Molecular Weight</b> 106.1670		<b>Molecular Weight</b> 106.1670		
<b>Wiswesser Line Notation</b> 1R C1		<b>Wiswesser Line Notation</b> 1R C1		
<b>Evaluation</b> A		<b>Evaluation</b> A		
<b>C<sub>8</sub>H<sub>10</sub></b> (liq)	58SWI/ZIE2	<b>C<sub>8</sub>H<sub>10</sub></b> (liq)	47KUR	
1,2-Dimethylbenzene; o-Xylene		1,3-Dimethylbenzene; m-Xylene		
<b>Heat Capacity</b> 347 K,	$C_p = 206.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298 K,	$C_p = 184.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Mean value 22 to 126 °C.		Temperature range 16 to 132 °C, mean $C_p$ , three temperatures.		
<b>Molecular Weight</b> 106.1670		<b>Molecular Weight</b> 106.1670		
<b>Wiswesser Line Notation</b> 1R B1		<b>Wiswesser Line Notation</b> 1R C1		
<b>Evaluation</b> C		<b>Evaluation</b> C		
<b>C<sub>8</sub>H<sub>10</sub></b> (liq)	77FOR/BEN	<b>C<sub>8</sub>H<sub>10</sub></b> (liq)	58SWI/ZIE2	
1,2-Dimethylbenzene; o-Xylene		1,3-Dimethylbenzene; m-Xylene		
<b>Heat Capacity</b> 298.15 K,	$C_p = 187.584 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 336 K,	$C_p = 199.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
One temperature.		Mean value 21 to 106 °C.		
<b>Molecular Weight</b> 106.1670		<b>Molecular Weight</b> 106.1670		
<b>Wiswesser Line Notation</b> 1R B1		<b>Wiswesser Line Notation</b> 1R C1		
<b>Evaluation</b> B		<b>Evaluation</b> C		

<b>C<sub>8</sub>H<sub>10</sub></b> (liq)	77FOR/BEN	C <sub>8</sub> H <sub>10</sub> (liq)	47KU
1,3-Dimethylbenzene; m-Xylene		1,4-Dimethylbenzene; p-Xylene	
<b>Heat Capacity</b> 298.15 K,		<b>Heat Capacity</b> 298 K, $C_p = 184.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
One temperature.		Temperature range 15 to 132 °C, mean $C_p$ , three temperatures	
<b>Molecular Weight</b> 106.1670		<b>Molecular Weight</b> 106.1670	
<b>Wiswesser Line Notation</b> 1R C1		<b>Wiswesser Line Notation</b> 1R D1	
<b>Evaluation</b> B		<b>Evaluation</b> D	
<b>C<sub>8</sub>H<sub>10</sub></b> (liq)	79FOR/BEN	<b>C<sub>8</sub>H<sub>10</sub></b> (liq)	47COR/G
1,3-Dimethylbenzene; m-Xylene		1,4-Dimethylbenzene; p-Xylene	
<b>Heat Capacity</b> 298.15 K,	$C_p = 181.550 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298 K, $C_p = 181.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
One temperature.		Temperature range 273 to 573 K.	
<b>Molecular Weight</b> 106.1670		<b>Phase Changes</b>	
<b>Wiswesser Line Notation</b> 1R C1		c/liq 286.3 K,	$\Delta H = 17100 \text{ J} \cdot \text{mol}^{-1}$
<b>Evaluation</b> B			$\Delta S = 59.73 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>C<sub>8</sub>H<sub>10</sub></b> (liq)	93GRO/ROU	<b>C<sub>8</sub>H<sub>10</sub></b> (liq)	58SWI/ZI
1,3-Dimethylbenzene; m-Xylene		1,4-Dimethylbenzene; p-Xylene	
<b>Heat Capacity</b> 298.15 K,	$C_p = 184.63 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 336 K,	
One temperature.		Mean value 21 to 106 °C.	
<b>Molecular Weight</b> 106.1670		<b>Molecular Weight</b> 106.1670	
<b>Wiswesser Line Notation</b> 1R C1		<b>Wiswesser Line Notation</b> 1R D1	
<b>Evaluation</b> B		<b>Evaluation</b> C	
<b>C<sub>8</sub>H<sub>10</sub></b> (liq)	24WIL/DAN	<b>C<sub>8</sub>H<sub>10</sub></b> (liq)	71HYD/ST
1,4-Dimethylbenzene; p-Xylene		1,4-Dimethylbenzene; p-Xylene	
<b>Heat Capacity</b> 303 K, $C_p = 176.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K,	
Temperature range 303 to 348 K. Equation only.		Temperature range 298; 313 K.	
<b>Molecular Weight</b> 106.1670		<b>Molecular Weight</b> 106.1670	
<b>Wiswesser Line Notation</b> 1R D1		<b>Wiswesser Line Notation</b> 1R D1	
<b>Evaluation</b> C		<b>Evaluation</b> B	
<b>C<sub>8</sub>H<sub>10</sub></b> (liq)	30HUF/PAR	<b>C<sub>8</sub>H<sub>10</sub></b> (liq)	77FOR/BI
1,4-Dimethylbenzene; p-Xylene		1,4-Dimethylbenzene; p-Xylene	
<b>Heat Capacity</b> 299.0 K, $C_p = 180.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K,	
Temperature range 92 to 299 K. Value is unsmoothed experimental datum.		One temperature.	
<b>Entropy</b> 298.1 K, $S = 253.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Molecular Weight</b> 106.1670	
Extrapolation below 90 K, 65.19 $\text{J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .		<b>Wiswesser Line Notation</b> 1R D1	
<b>Phase Changes</b>		<b>Evaluation</b> B	
c/liq 286.3 K, $\Delta H = 16933 \text{ J} \cdot \text{mol}^{-1}$			
	$\Delta S = 59.14 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
<b>Molecular Weight</b> 106.1670		<b>C<sub>8</sub>H<sub>10</sub></b> (liq)	77WIL/GI
<b>Wiswesser Line Notation</b> 1R D1		1,4-Dimethylbenzene; p-Xylene	
<b>Evaluation</b> B( $C_p$ ).C(S)		<b>Heat Capacity</b> 298.15 K,	
		One temperature.	
<b>C<sub>8</sub>H<sub>10</sub></b> (liq)	43PIT/SCO	<b>Molecular Weight</b> 106.1670	
1,4-Dimethylbenzene; p-Xylene		<b>Wiswesser Line Notation</b> 1R D1	
<b>Heat Capacity</b> 298.15 K,	$C_p = 183.76 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Evaluation</b> B	
Temperature range 14 to 360 K.			
<b>Entropy</b> 298.15 K, $S = 243.51 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
<b>Phase Changes</b>			
c/liq 286.39 K, $\Delta H = 17113 \text{ J} \cdot \text{mol}^{-1}$			
	$\Delta S = 59.75 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
<b>Molecular Weight</b> 106.1670		<b>C<sub>8</sub>H<sub>10</sub></b> (liq)	79FOR/B
<b>Wiswesser Line Notation</b> 1R D1		1,4-Dimethylbenzene; p-Xylene	
<b>Evaluation</b> A		<b>Heat Capacity</b> 298.15 K,	
		One temperature.	
		<b>Molecular Weight</b> 106.1670	
		<b>Wiswesser Line Notation</b> 1R D1	
		<b>Evaluation</b> B	
		$C_p = 181.55 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
		$C_p = 181.794 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
		$C_p = 181.937 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	

<b>C<sub>8</sub>H<sub>10</sub></b> (liq)	79OTT/GOA	<b>C<sub>8</sub>H<sub>10</sub></b> (liq)	31BLA/LEI
1,4-Dimethylbenzene; p-Xylene		Ethylbenzene	
<b>Heat Capacity</b> 298.15 K,	$C_p = 181.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p = 186.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 288.15 to 328.15 K.		Temperature range 286 to 368 K. Heat capacity reported as 0.420	
<b>Molecular Weight</b> 106.1670		cal.g <sup>-1</sup> .K <sup>-1</sup> at 25 °C.	
<b>Wiswesser Line Notation</b> 1R D1		<b>Molecular Weight</b> 106.1670	
<b>Evaluation</b> B		<b>Wiswesser Line Notation</b> 2R	
		<b>Evaluation</b> B	
<b>C<sub>8</sub>H<sub>10</sub></b> (liq)	86TAR/AIC	<b>C<sub>8</sub>H<sub>10</sub></b> (liq)	31SMI/AND
1,4-Dimethylbenzene; p-Xylene		Ethylbenzene	
<b>Heat Capacity</b> 298.15 K,	$C_p = 183.65 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.5 K,	$C_p = 183.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
One temperature.		Temperature range 102 to 299 K. Value is unsmoothed	
<b>Molecular Weight</b> 106.1670		experimental datum.	
<b>Wiswesser Line Notation</b> 1R D1		<b>Molecular Weight</b> 106.1670	
<b>Evaluation</b> B		<b>Wiswesser Line Notation</b> 2R	
		<b>Evaluation</b> C	
<b>C<sub>8</sub>H<sub>10</sub></b> (liq)	88MES/FIN	<b>C<sub>8</sub>H<sub>10</sub></b> (liq)	34KOL/UDO
1,4-Dimethylbenzene; p-Xylene		Ethylbenzene	
<b>Heat Capacity</b> 298.15 K,	$C_p = 182.219 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 302.8 K,	$C_p = 178.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 10 to 400 K.		One temperature.	
<b>Entropy</b> 298.15 K,	$S = 247.154 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b> 106.1670	
<b>Phase Changes</b>		<b>Wiswesser Line Notation</b> 2R	
c/liq	$\Delta H = 17117.46 \text{ J} \cdot \text{mol}^{-1}$	<b>Evaluation</b>	C
	$\Delta S = 59.77 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
<b>Molecular Weight</b> 106.1670			
<b>Wiswesser Line Notation</b> 1R D1			
<b>Evaluation</b> A			
<b>C<sub>8</sub>H<sub>10</sub></b> (liq)	1881REI	<b>C<sub>8</sub>H<sub>10</sub></b> (liq)	34KOL/UDO2
Ethylbenzene		Ethylbenzene	
<b>Heat Capacity</b> 298 K,	$C_p = 184.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 302.7 K,	$C_p = 178.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 292 to 425 K.		One temperature.	
<b>Molecular Weight</b> 106.1670		<b>Molecular Weight</b> 106.1670	
<b>Wiswesser Line Notation</b> 2R		<b>Wiswesser Line Notation</b> 2R	
<b>Evaluation</b> D		<b>Evaluation</b>	C
<b>C<sub>8</sub>H<sub>10</sub></b> (liq)	24WIL/DAN	<b>C<sub>8</sub>H<sub>10</sub></b> (liq)	44GUT/SPI
Ethylbenzene		Ethylbenzene	
<b>Heat Capacity</b> 303 K,	$C_p = 181.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p = 185.81 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 303 to 343 K. Equation only.		Temperature range 13 to 305 K.	
<b>Molecular Weight</b> 106.1670		<b>Entropy</b> 298.15 K,	$S = 255.01 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b> 2R		<b>Phase Changes</b>	
<b>Evaluation</b> C		c/liq	$\Delta H = 9163 \text{ J} \cdot \text{mol}^{-1}$
			$\Delta S = 51.43 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>C<sub>8</sub>H<sub>10</sub></b> (liq)	30IIUF/PAR	<b>Molecular Weight</b> 106.1670	
Ethylbenzene		<b>Wiswesser Line Notation</b> 2R	
<b>Heat Capacity</b> 297.4 K,	$C_p = 181.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Evaluation</b>	A
Temperature range 93 to 305 K. Value is unsmoothed experimental datum.			
<b>Entropy</b> 298.1 K,	$S = 256.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
Extrapolation below 90 K, 61.09 J·mol <sup>-1</sup> ·K <sup>-1</sup> .			
<b>Phase Changes</b>			
c/liq	178.0 K,	$\Delta H = 9163 \text{ J} \cdot \text{mol}^{-1}$	$\Delta H = 9181.8 \text{ J} \cdot \text{mol}^{-1}$
		$\Delta S = 51.48 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	$\Delta S = 51.54 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b> 106.1670			
<b>Wiswesser Line Notation</b> 2R		$\Delta H = 42490 \text{ J} \cdot \text{mol}^{-1}$	
<b>Evaluation</b> B( $C_p$ ),C(S)		$\Delta S = 144.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>C<sub>8</sub>H<sub>10</sub></b> (liq)		<b>Molecular Weight</b> 106.1670	
Ethylbenzene		<b>Wiswesser Line Notation</b> 2R	
<b>Heat Capacity</b> 298.15 K,		<b>Evaluation</b>	A
Temperature range 15 to 300 K.			
<b>Entropy</b> 298.15 K,			
<b>Phase Changes</b>			
c/liq	178.15 K,		
<b>Molecular Weight</b> 106.1670			
<b>Wiswesser Line Notation</b> 2R			
<b>Evaluation</b>			

$C_8H_{10}$ (liq)	47KUR	$C_8H_{10}N_4O_2$ (c)	79BOT/CAM
Ethylbenzene		Caffeine, anhydrous	
<b>Heat Capacity</b> 298 K,	$C_p=185.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p=232 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 15 to 18 °C, mean $C_p$ , four temperatures.		One temperature.	
<b>Molecular Weight</b> 106.1670		<b>Phase Changes</b>	
<b>Wiswesser Line Notation</b> 2R		c,II/c,I	$\Delta H=4030 \text{ J}\cdot\text{mol}^{-1}$
<b>Evaluation</b> D			$\Delta S=28.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
			Low temperature $\beta$ to a high temperature $\alpha$ transition.
$C_8H_{10}$ (liq)	48TSC	c,I/liq	509.3 K, $\Delta H=21600 \text{ J}\cdot\text{mol}^{-1}$
Ethylbenzene			$\Delta S=42.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Heat Capacity</b> 295 K,	$C_p=161 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Molecular Weight</b> 194.1926	
One temperature.		<b>Wiswesser Line Notation</b> T56 BN DN FNVNVJ B1 F1 H1	
<b>Molecular Weight</b> 106.1670		<b>Evaluation</b> B	
<b>Wiswesser Line Notation</b> 2R			
<b>Evaluation</b> C			
$C_8H_{10}$ (liq)	76FOR/BEN	$C_8H_{10}N_4O_2$ (c)	80CES/ST.
Ethylbenzene		Caffeine	
<b>Heat Capacity</b> 298.15 K,	$C_p=185.78 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b> 298 K,	$C_p=173.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
One temperature.		Temperature range 300 to 392 K. Unsmoothed experimental data and equation given. $C_p=41.4+0.104(T-298) \text{ cal}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Molecular Weight</b> 106.1670		Data given at 298 K is an extrapolation by the author.	
<b>Wiswesser Line Notation</b> 2R		<b>Phase Changes</b>	
<b>Evaluation</b> B		c,II/c,I	426 K, $\Delta H=940 \text{ J}\cdot\text{mol}^{-1}$
			$\Delta S=2.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
			$\alpha$ to $\beta$ form.
		c,I/liq	512 K, $\Delta H=5600 \text{ J}\cdot\text{mol}^{-1}$
			$\Delta S=10.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
			$\beta$ to liquid.
$C_8H_{10}$ (liq)	77FOR/BEN	<b>Molecular Weight</b> 194.1926	
Ethylbenzene		<b>Wiswesser Line Notation</b> T56 BN DN FNVNVJ B1 F1 H1	
<b>Heat Capacity</b> 298.15 K,	$C_p=185.559 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Evaluation</b> B	
One temperature.		Data given for $\beta$ form. $\beta$ form is obtained by high temperature sublimation.	
<b>Molecular Weight</b> 106.1670			
<b>Wiswesser Line Notation</b> 2R			
<b>Evaluation</b> B			
$C_8H_{10}$ (liq)	79AND/GRI	$C_8H_{10}O$ (liq)	75FEN/HA
Ethylbenzene		Ethyl phenyl ether	
<b>Heat Capacity</b> 293.31 K,	$C_p=184.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p=228.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 293 to 393 K. Unsmoothed experimental datum given as 1.741 kJ/kg·K.		One temperature.	
<b>Molecular Weight</b> 106.1670		<b>Molecular Weight</b> 122.1664	
<b>Wiswesser Line Notation</b> 2R		<b>Wiswesser Line Notation</b> 2OR	
<b>Evaluation</b> B		<b>Evaluation</b> B	
$C_8H_{10}$ (liq)	79FOR/BEN	$C_8H_{10}O$ (liq)	75NIC/WA
Ethylbenzene		2-Phenylethanol	
<b>Heat Capacity</b> 298.15 K,	$C_p=185.572 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p=252.64 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
One temperature.		One temperature.	
<b>Molecular Weight</b> 106.1670		<b>Molecular Weight</b> 122.1664	
<b>Wiswesser Line Notation</b> 2R		<b>Wiswesser Line Notation</b> Q2R	
<b>Evaluation</b> B		<b>Evaluation</b> B	
$C_8H_{10}N_2O$ (c)	40CAM/CAM	$C_8H_{10}O$ (c)	82POE/FA
p-Nitrosodimethylaniline		2,3-Dimethylphenol	
<b>Heat Capacity</b> 293 K,	$C_p=206.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Phase Changes</b>	
One temperature.		c/liq	346.0 K, $\Delta H=21024 \text{ J}\cdot\text{mol}^{-1}$
<b>Molecular Weight</b> 150.1798			$\Delta S=60.76 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Wiswesser Line Notation</b> ONR DN1&1		<b>Molecular Weight</b> 122.1664	
<b>Evaluation</b> C		<b>Wiswesser Line Notation</b> QR B1 C1	
		<b>Evaluation</b> A	

<b>C<sub>8</sub>H<sub>10</sub>O</b> (c)		82POE/FAN	<b>C<sub>8</sub>H<sub>10</sub>O<sub>2</sub></b> (liq)		75NIC/WAD
2,4-Dimethylphenol			2-Phenoxyethanol		
<b>Phase Changes</b>			<b>Heat Capacity</b>	298.15 K,	$C_p = 294.63 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c/liq	299.0 K		One temperature.		
<b>Molecular Weight</b>	122.1664		<b>Molecular Weight</b>	138.1658	
<b>Wiswesser Line Notation</b>	QR B1 D1		<b>Wiswesser Line Notation</b>	Q2OR	
<b>Evaluation</b>	A		<b>Evaluation</b>	B	
<b>C<sub>8</sub>H<sub>10</sub>O</b> (c)		82POE/FAN	<b>C<sub>8</sub>H<sub>10</sub>O<sub>3</sub></b> (c)		83GEI/NUR
2,5-Dimethylphenol			cis-Cyclohexane-1,2-dicarboxylic anhydride		
<b>Phase Changes</b>			<b>Heat Capacity</b>	298.15 K,	$C_p = 207.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c/liq	348.0 K,	$\Delta H = 23376 \text{ J} \cdot \text{mol}^{-1}$	Temperature range	12 to 330 K.	
		$\Delta S = 67.17 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Entropy</b>	298.15 K,	$S = 202.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	122.1664		<b>Phase Changes</b>	c,III/c,II	$\Delta H = 5594 \text{ J} \cdot \text{mol}^{-1}$
<b>Wiswesser Line Notation</b>	QR B1 E1			304 K,	$\Delta S = 18.41 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Evaluation</b>	A		Conformational transition.		
<b>C<sub>8</sub>H<sub>10</sub>O</b> (c)		82POE/FAN	c,II/c,I	310.5 K,	$\Delta H = 845 \text{ J} \cdot \text{mol}^{-1}$
2,6-Dimethylphenol					$\Delta S = 2.72 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Phase Changes</b>			Conformational transition.		
c/liq	318.9 K,	$\Delta H = 18897 \text{ J} \cdot \text{mol}^{-1}$	<b>Molecular Weight</b>	154.1652	
		$\Delta S = 59.26 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Wiswesser Line Notation</b>	T56 BVOVTJ -C	
<b>Molecular Weight</b>	122.1664		<b>Evaluation</b>	A	
<b>Wiswesser Line Notation</b>	QR B1 F1				
<b>Evaluation</b>	A				
<b>C<sub>8</sub>H<sub>10</sub>O</b> (c)		82POE/FAN	<b>C<sub>8</sub>H<sub>11</sub>N</b> (liq)		1881REI
3,4-Dimethylphenol			N,N-Dimethylaniline		
<b>Phase Changes</b>			<b>Heat Capacity</b>	298 K,	$C_p = 212.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c/liq	334.0 K,	$\Delta H = 18127 \text{ J} \cdot \text{mol}^{-1}$	Temperature range	292 to 478 K.	
		$\Delta S = 54.27 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b>	121.1816	
<b>Molecular Weight</b>	122.1664		<b>Wiswesser Line Notation</b>	1N1&R	
<b>Wiswesser Line Notation</b>	QR C1 D1		<b>Evaluation</b>	D	
<b>Evaluation</b>	A				
<b>C<sub>8</sub>H<sub>10</sub>O</b> (c)		57MAS	<b>C<sub>8</sub>H<sub>11</sub>N</b> (liq)		02LOU
3,5-Dimethylphenol			N,N-Dimethylaniline		
<b>Phase Changes</b>			<b>Heat Capacity</b>	375 K,	$C_p = 243 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c/liq	336.59 K,	$\Delta H = 17422 \text{ J} \cdot \text{mol}^{-1}$	Mean value	21 to 186 °C.	
<b>Molecular Weight</b>	122.1664		<b>Molecular Weight</b>	121.1816	
<b>Wiswesser Line Notation</b>	QR C1 E1		<b>Wiswesser Line Notation</b>	1N1&R	
<b>Evaluation</b>	A		<b>Evaluation</b>	D	
<b>C<sub>8</sub>H<sub>10</sub>O</b> (c)		82POE/FAN	<b>C<sub>8</sub>H<sub>11</sub>N</b> (liq)		16BRA
3,5-Dimethylphenol			N,N Dimethylaniline		
<b>Phase Changes</b>			<b>Heat Capacity</b>	283 K,	$C_p = 212.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c/liq	336.8 K,	$\Delta H = 17997 \text{ J} \cdot \text{mol}^{-1}$	Mean value,	0 to 20 °C.	
		$\Delta S = 53.38 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b>	121.1816	
<b>Molecular Weight</b>	122.1664		<b>Wiswesser Line Notation</b>	1N1&R	
<b>Wiswesser Line Notation</b>	QR C1 E1		<b>Evaluation</b>	C	
<b>Evaluation</b>	A				
<b>C<sub>8</sub>H<sub>10</sub>O</b> (c)		75NIC/WAD	<b>C<sub>8</sub>H<sub>11</sub>N</b> (liq)		34KOL/UDO
4-Ethylphenol			N,N-Dimethylaniline		
<b>Heat Capacity</b>	298.15 K,	$C_p = 206.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	302.4 K,	$C_p = 214.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
One temperature.			One temperature.		
<b>Molecular Weight</b>	122.1664		<b>Molecular Weight</b>	121.1816	
<b>Wiswesser Line Notation</b>	QR D2		<b>Wiswesser Line Notation</b>	1N1&R	
<b>Evaluation</b>	B		<b>Evaluation</b>	C	
<b>C<sub>8</sub>H<sub>10</sub>O</b> (c)			<b>C<sub>8</sub>H<sub>11</sub>N</b> (liq)		34KOL/UDO2
			N,N-Dimethylaniline		
<b>Heat Capacity</b>	298.15 K,		<b>Heat Capacity</b>	302.3 K,	$C_p = 214.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
One temperature.			One temperature.		
<b>Molecular Weight</b>	122.1664		<b>Molecular Weight</b>	121.1816	
<b>Wiswesser Line Notation</b>	QR D2		<b>Wiswesser Line Notation</b>	1N1&R	
<b>Evaluation</b>	B		<b>Evaluation</b>	C	

$C_8H_{11}N$ (liq)		34RAD/JUL	$C_p=193.93 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	70KOL/SE
N,N-Dimethylaniline			2-Cyanobicyclo[2.2.1]heptane(endo)	
<b>Heat Capacity</b>	289 K,	$C_p=209.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,
One temperature.			Temperature range	12 to 340 K.
<b>Molecular Weight</b>	121.1816		<b>Entropy</b>	298.15 K,
Wiswesser Line Notation IN1&R			<b>Phase Changes</b>	
Evaluation	C		c,II/c,I	177.3 K,
			$\Delta H=2251.8 \text{ J}\cdot\text{mol}^{-1}$	
			$\Delta S=12.70 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
$C_8H_{11}N$ (c)		87MEI/DOG	c,I/liq	331.2 K,
1-Norbornyl cyanide; 1-Cyanobicyclo[2.2.1]heptane			$\Delta H=2961.0 \text{ J}\cdot\text{mol}^{-1}$	
<b>Heat Capacity</b>	298.15 K,	$C_p=196.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Molecular Weight</b>	121.1816
One temperature.			Wiswesser Line Notation	L55 A TJ CCN -ENDO
<b>Molecular Weight</b>	121.1816		Evaluation	A
Wiswesser Line Notation L55 A TJ BCN				
Evaluation	C			
$C_8H_{11}N$ (c)		87MEI/DOG	$C_8H_{11}N$ (liq)	91SVO/ZAI
1-Norbornyl isonitrile; 1-Isocyanobicyclo[2.2.1]heptane			2,3,6-Trimethylpyridine	
<b>Heat Capacity</b>	298.15 K,	$C_p=172.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	300.60 K,
One temperature.			Temperature range	300 to 328 K.
<b>Molecular Weight</b>	121.1816		$C_p$ (liq) = $410.64 - 1.517 \times 10^{-3}T^2$ J/K·mol (300 to 328 K).	
Wiswesser Line Notation L55 A TJ BNC			<b>Molecular Weight</b>	121.1816
Evaluation	C		Wiswesser Line Notation	T6NJ B1 C1 F1
			Evaluation	B
$C_8H_{11}N$ (c)		62SER/KOL	$C_8H_{11}N$ (liq)	57M/
2-Cyanobicyclo[2.2.1]heptane(exo)			2,4,6-Collidine; 2,4,6-Trimethylpyridine	
<b>Heat Capacity</b>	280 K,	$C_p=200.03 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Phase Changes</b>	
Temperature range	12 to 350 K.		c/liq	228.96 K,
<b>Entropy</b>	298.15 K,	$S=230.58 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Molecular Weight</b>	121.1816
<b>Phase Changes</b>			Wiswesser Line Notation	T6NJ B1 D1 F1
c,II/c,I	237.7 K,	$\Delta H=7929 \text{ J}\cdot\text{mol}^{-1}$	Evaluation	A
		$\Delta S=33.35 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		
c,I/liq	300.27 K,	$\Delta H=2943 \text{ J}\cdot\text{mol}^{-1}$		
		$\Delta S=9.83 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		
<b>Molecular Weight</b>	121.1816			
Wiswesser Line Notation L55 A TJ CCN -EXO				
Evaluation	A			
$C_8H_{11}N$ (c)		70KOL/SER	$C_8H_{11}N$ (liq)	91SVO/ZAI
2-Cyanobicyclo[2.2.1]heptane(exo)			2,4,6-Collidine; 2,4,6-Trimethylpyridine	
<b>Heat Capacity</b>	285 K,	$C_p=200.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	300.60 K,
Temperature range	12 to 340 K.		Temperature range	300 to 328 K.
<b>Entropy</b>	298.15 K,	$S=241.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	$C_p$ (liq) = $81.418 + 0.44263T$ J·mol (300 to 328 K).	
<b>Phase Changes</b>			<b>Molecular Weight</b>	121.1816
c,II/c,I	237.7 K,	$\Delta H=7929 \text{ J}\cdot\text{mol}^{-1}$	Wiswesser Line Notation	T6NJ B1 D1 F1
		$\Delta S=33.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	Evaluation	B
c,I/liq	298.8 K,	$\Delta H=2943.4 \text{ J}\cdot\text{mol}^{-1}$		
		$\Delta S=9.83 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		
<b>Molecular Weight</b>	121.1816			
Wiswesser Line Notation L55 A TJ CCN -EXO				
Evaluation	A			
$C_8H_{11}N$ (c)		62SER/KOL	$C_8H_{11}N$ (liq)	75NIC/W/
2-Cyanobicyclo[2.2.1]heptane(endo)			2-Phenylethylamine	
<b>Heat Capacity</b>	298.15 K,	$C_p=193.89 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,
Temperature range	12 to 350 K.		One temperature.	$C_p=239.24 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Entropy</b>	298.15 K,		<b>Molecular Weight</b>	121.1816
<b>Phase Changes</b>			Wiswesser Line Notation	Z2R
c,II/c,I	177.35 K,	$S=223.80 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	Evaluation	B
		$\Delta H=2095 \text{ J}\cdot\text{mol}^{-1}$		
c,I/liq	331.67 K,	$\Delta S=11.80 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		
		$\Delta H=2961 \text{ J}\cdot\text{mol}^{-1}$		
		$\Delta S=8.91 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		
<b>Molecular Weight</b>	121.1816			
Wiswesser Line Notation L55 A TJ CCN -ENDO				
Evaluation	A			
$C_8H_{11}N$ (c)			$C_8H_{11}N$ (liq)	86STE/C
2-Cyanobicyclo[2.2.1]heptane(endo)			2,6-Dimethylaniline	
<b>Heat Capacity</b>	298.15 K,		<b>Heat Capacity</b>	298.15 K,
Temperature range	12 to 350 K.		Temperature range	10 to 450 K.
<b>Entropy</b>	298.15 K,		<b>Entropy</b>	298.15 K,
<b>Phase Changes</b>			<b>Phase Changes</b>	
c,II/c,I	177.35 K,	$S=223.80 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	c/liq	284.598 K
		$\Delta H=2095 \text{ J}\cdot\text{mol}^{-1}$	<b>Molecular Weight</b>	121.1816
c,I/liq	331.67 K,	$\Delta S=11.80 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	Wiswesser Line Notation	ZR B1 F1
		$\Delta H=2961 \text{ J}\cdot\text{mol}^{-1}$	Evaluation	A
		$\Delta S=8.91 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		
<b>Molecular Weight</b>	121.1816			
Wiswesser Line Notation L55 A TJ CCN -ENDO				
Evaluation	A			

<b>C<sub>8</sub>H<sub>11</sub>NO<sub>3</sub></b> (c)	89KHO/ISK	<b>(C<sub>8</sub>H<sub>12</sub>)<sub>n</sub></b> (liq)	76LEB/LIT
2-Methyl-3-hydroxy-4,5-dihydroxymethylpyridine		Polyoctadiene	
<b>Heat Capacity</b> 298.15 K,	$C_p = 244.46 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p = 205.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
One temperature.		Temperature range 15 to 328 K. Data deposited in VINITI No. 2097-76, 10 June 1976.	
<b>Entropy</b> 298.15 K,	$S = 278.59 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Entropy</b> 298.15 K,	$S = 220.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b> 169.1798		Entropy at zero kelvin of amorphous polyoctadiene was assumed to be equal to the sum of the configurational entropy and the entropy of mixing the cis and the trans forms. $S_0^\circ = 15.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .	
<b>Wiswesser Line Notation</b> T6NJ B1 CQ D1Q E1Q		<b>Phase Changes</b>	
<b>Evaluation</b> B		c,I/gls 168.5 K	
		Heat capacity increment following conversion to glass is 41.3 J · mol <sup>-1</sup> · K <sup>-1</sup> .	
<b>C<sub>8</sub>H<sub>11</sub>NO<sub>3</sub></b> (c)	90KHO/ISK	c,I/liq 255 K,	$\Delta H = 270 \text{ J} \cdot \text{mol}^{-1}$
2-Methyl-3-hydroxy-4,5-dihydroxymethylpyridine		$\Delta S = 1.06 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Heat Capacity</b> 300 K,	$C_p = 237.40 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Temperature range of anomaly, probably due to fusion of crystal of the cis-form, is 100–255 K.	
Temperature range 90 to 300 K.		<b>Molecular Weight</b> 108.1828	
<b>Entropy</b> 300 K,	$S = 271.77 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Wiswesser Line Notation</b> /*L8 AU EUTJ*/	
<b>Molecular Weight</b> 169.1798		<b>Evaluation</b> B	
<b>Wiswesser Line Notation</b> T6NJ B1 CQ D1Q E1Q			
<b>Evaluation</b> A			
<b>C<sub>8</sub>H<sub>12</sub></b> (c,I)	70WON/WES	<b>C<sub>8</sub>H<sub>12</sub>BrN</b> (c)	89VAN/WHI
Bicyclo[2.2.2]octene-2		2-Phenylethylammonium bromide	
<b>Heat Capacity</b> 298.15 K,	$C_p = 156.73 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Phase Changes</b>	
Temperature range 5 to 500 K.		c,II/c,I 347 K,	$\Delta H = 6680 \text{ J} \cdot \text{mol}^{-1}$
<b>Entropy</b> 298.15 K,	$S = 210.46 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	$\Delta S = 2.31 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Phase Changes</b>		<b>Molecular Weight</b> 202.0935	
c,III/c,II 110.50 K,	$\Delta H = 188 \text{ J} \cdot \text{mol}^{-1}$	<b>Wiswesser Line Notation</b> Z2R &EH	
	$\Delta S = -1.33 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Evaluation</b> A	
Second order transition.			
c,II/c,I 176.47 K,	$\Delta H = 5648 \text{ J} \cdot \text{mol}^{-1}$	<b>C<sub>8</sub>H<sub>12</sub>ClN</b> (c)	89VAN/WHI
	$\Delta S = 24.52 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	2-Phenylethylammonium chloride	
$\Delta H$ and $\Delta S$ obtained separately by graphical integration of observed $C_p$ (or total enthalpy input) subtracting contributions from extrapolated normal $C_p$ , $\Delta H$ , $\Delta S$ and T not self-consistent.		<b>Phase Changes</b>	
c,I/liq 389.75 K,	$\Delta H = 5381 \text{ J} \cdot \text{mol}^{-1}$	c,III/c,II 389 K,	$\Delta H = 7590 \text{ J} \cdot \text{mol}^{-1}$
	$\Delta S = 14.39 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	c,II/c,I 432 K,	$\Delta S = 2.35 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
$\Delta H$ and $\Delta S$ obtained separately by graphical integration of observed $C_p$ (or total enthalpy input) subtracting contributions from extrapolated normal $C_p$ , $\Delta H$ , $\Delta S$ and T not self-consistent.		<b>Molecular Weight</b> 157.6425	
<b>Molecular Weight</b> 108.1828		<b>Wiswesser Line Notation</b> Z2R &GH	
<b>Wiswesser Line Notation</b> L66 A B AUTJ		<b>Evaluation</b> A	
<b>Evaluation</b> A( $C_p$ ), B(Phase changes)			
<b>C<sub>8</sub>H<sub>12</sub></b> (liq)	75LEB/LEB	<b>C<sub>8</sub>H<sub>12</sub>N<sub>2</sub></b> (c)	70MUR/BRE2
Cycloocta-1,5-diene		Tetramethylsuccinonitrile	
<b>Heat Capacity</b> 298.15 K,	$C_p = 198.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Phase Changes</b>	
Temperature range 6 to 320 K.		c,II,c,I 345 K,	$\Delta H = 18104 \text{ J} \cdot \text{mol}^{-1}$
<b>Entropy</b> 298.15 K,	$S = 250.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	c,I/liq 442 K,	$\Delta S = 52.63 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Phase Changes</b>			$\Delta H = 7146 \text{ J} \cdot \text{mol}^{-1}$
c,II/c,I 194.3 K,	$\Delta H = -393 \text{ J} \cdot \text{mol}^{-1}$		$\Delta S = 16.19 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c,I/liq 203.983 K,	$\Delta H = 9828 \text{ J} \cdot \text{mol}^{-1}$		
	$\Delta S = -48.24 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
<b>Molecular Weight</b> 108.1828		<b>Molecular Weight</b> 136.1962	
<b>Wiswesser Line Notation</b> L8 AU EUTJ		<b>Wiswesser Line Notation</b> NCX1&1&X1&1&CN	
<b>Evaluation</b> A		<b>Evaluation</b> A	
<b>C<sub>8</sub>H<sub>12</sub></b> (liq)	75LEB/TSV2	<b>C<sub>8</sub>H<sub>12</sub>N<sub>2</sub>O<sub>2</sub></b> (liq)	62STR/BAR
Cycloocta-1,5-diene		1,6-Hexamethylene diisocyanate; 1,6-Diisocyanatohexane	
<b>Heat Capacity</b> 298.15 K,	$C_p = 208.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298 K,	$C_p = 299.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 10.6 to 322.7 K. Data deposited in VINITI, No. 1324-75, 15 May 1975.		One temperature.	
<b>Entropy</b> 298.15 K,	$S = 264.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b> 136.1962	
<b>Phase Changes</b>		<b>Wiswesser Line Notation</b> OCN6NCO	
c,II/c,I 194.34 K,	$\Delta H = -381 \text{ J} \cdot \text{mol}^{-1}$	<b>Evaluation</b> D	
Irreversible exothermic transition.			
c,I/liq 203.983 K,	$\Delta H = 9828 \text{ J} \cdot \text{mol}^{-1}$		
	$\Delta S = 48.24 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
<b>Molecular Weight</b> 108.1828			
<b>Wiswesser Line Notation</b> L8 AU EUTJ			
<b>Evaluation</b> A			

$C_8H_{12}N_2O_2$ (liq)		83BYK/LEB2	$C_8H_{12}N_4$ (c)		81LEB/RY
1,6-Hexamethylene diisocyanate; 1,6-Diisocyanatohexane			2,2'-Azodiisobutyrodinitrile; Dinitrile-2,2'-azodiisobutyric acid		
<b>Heat Capacity</b>	298.15 K,	$C_p=294.0\text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298.12 K,	$C_p=238.1\text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 0 to 330 K.			Temperature range 296 to 334 K.		
<b>Phase Changes</b>			<b>Molecular Weight</b>	164.2096	
c/liq	206.06 K,	$\Delta H=18640\text{ J}\cdot\text{mol}^{-1}$	Wiswesser Line Notation	NCX1&1&NUNX1&1&CN	
		$\Delta S=90.46\text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	Evaluation	B	
<b>Molecular Weight</b>	136.1962				
Wiswesser Line Notation	OCN6NCO				
Evaluation	A				
$C_8H_{12}N_2O_2$ (liq)		85LEB/BYK2	$C_8H_{12}N_4$ (c)		84LEB/GU
1,6-Hexamethylene diisocyanate; 1,6-Diisocyanatohexane			2,2'-Azodiisobutyrodinitrile; Dinitrile-2,2'-azodiisobutyric acid		
<b>Heat Capacity</b>	298.15 K,	$C_p=294.0\text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298 K,	$C_p=237.55\text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 5 to 300 K.			Temperature range 296 to 335 K.		
<b>Entropy</b>	298.15 K,	$S=420.1\text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Phase Changes</b>		
<b>Phase Changes</b>			c/liq	378 K	
c/liq	206.064 K,	$\Delta H=18640\text{ J}\cdot\text{mol}^{-1}$	<b>Molecular Weight</b>	164.2096	
		$\Delta S=90.46\text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	Wiswesser Line Notation	NCX1&1&NUNX1&1&CN	
<b>Molecular Weight</b>	136.1962		Evaluation	B	
Wiswesser Line Notation	OCN6NCO				
Evaluation	A				
$(C_8H_{12}N_2O_2)_n$ (gls)		85LEB/BYK2	$C_8H_{12}N_6$ (c)		73KAR/SAl
1,6-Hexamethylene diisocyanate polycyclotrimer			Terephthalic bisamidrazone		
<b>Heat Capacity</b>	298.15 K,	$C_p=222.7\text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298 K,	$C_p=276.8\text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 5 to 300 K.			Temperature range 20 to 298 K.		
<b>Entropy</b>	298.15 K,	$S=242.0\text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Entropy</b>	298 K,	$S=255.2\text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b>	168.1950		<b>Molecular Weight</b>	192.2230	
Wiswesser Line Notation	/T6NVNVNVJ A6NV&* C6NV&*		Wiswesser Line Notation	ZYUNZR DYUNZZ	
E6NV&*/ 1/3			Evaluation	B	
<b>Evaluation</b>	A				
T(glass)=334 K.					
$C_8H_{12}N_2O_3$ (c)		89VAN/WHI	$C_8H_{12}S_6$ (c)		62CHA/WI
2-Phenylethylammonium nitrate			1,3,5,7-Tetramethyl-2,4,6,8,9,10-hexathiaadamantane		
<b>Phase Changes</b>			<b>Heat Capacity</b>	298.15 K,	$C_p=301.62\text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c,III/c,II	320 K,	$\Delta H=7280\text{ J}\cdot\text{mol}^{-1}$	Temperature range 5 to 300 K.		
		$\Delta S=2.73\text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Entropy</b>	298.15 K,	$S=321.12\text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c,II/c,I	370 K,	$\Delta H=1050\text{ J}\cdot\text{mol}^{-1}$	<b>Molecular Weight</b>	300.5428	
		$\Delta S=0.42\text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	Wiswesser Line Notation	T66 B6/B-H/DI A B- C 1B I AS B-S C	
<b>Molecular Weight</b>	184.1944		ES GS ISTJ B1 D1 F1 H1		
Wiswesser Line Notation	Z2R & WNO		<b>Evaluation</b>	A	
Evaluation	A				
$C_8H_{12}N_2O_4$ (c)		39SAT/SOG2	$C_8H_{14}$ (liq)		90STE/C
Ammonium o-phthalate			2,5-Dimethylhexa-2,4-diene		
<b>Heat Capacity</b>	323 K,	$C_p=294.1\text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p=459.0\text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 0 to 100 °C. Mean value.			One temperature. Authors give $C_p/R=55.2$ . This value appears large by a factor of two. Actual $C_p$ should be around 229.5 J/n		K.
<b>Molecular Weight</b>	200.1938		<b>Molecular Weight</b>	110.1986	
Wiswesser Line Notation	QVR BVQ &ZH 2		Wiswesser Line Notation	1Y1&U2UY1&1	
<b>Evaluation</b>	C		Evaluation	B	
Same data in 40SAT/SOG.					
$C_8H_{12}N_2O_4$ (c)		39SAT/SOG2	$C_8H_{14}$ (liq)		70CHA/MC
Ammonium m-phthalate; Ammonium isophthalate			cis-Bicyclo[4.2.0]octane		
<b>Heat Capacity</b>	323 K,	$C_p=285.3\text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	345 K,	$C_p=258.6\text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 0 to 100 °C. Mean value.			One temperature.		
<b>Molecular Weight</b>	200.1938		<b>Molecular Weight</b>	110.1986	
Wiswesser Line Notation	QVR CVQ &ZH 2		Wiswesser Line Notation	L46TJ -C	
<b>Evaluation</b>	C		Evaluation	B	
Same data in 40SAT/SOG.					

<b>C<sub>8</sub>H<sub>14</sub></b> (liq)	64SER/GOR	<b>C<sub>8</sub>H<sub>14</sub></b> (c,I)	70WON/WES
2-Methylbicyclo[2.2.1]heptane(exo)		Bicyclo[2.2.2]octane	
<b>Heat Capacity</b> 298.15 K,	$C_p = 185.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p = 157.69 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 12 to 310 K.		Temperature range 5 to 470 K.	
<b>Entropy</b> 298.15 K,	$S = 246.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Entropy</b> 298.15 K,	$S = 209.95 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Phase Changes</b>		<b>Phase Changes</b>	
c/liq	164.10 K,	c,II/c,I	164.25 K,
	$\Delta H = 8381.8 \text{ J}\cdot\text{mol}^{-1}$		$\Delta H = 4586 \text{ J}\cdot\text{mol}^{-1}$
	$\Delta S = 51.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		$\Delta S = 27.87 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Includes effects of transition just below melting point.			
<b>Molecular Weight</b> 110.1986		$\Delta H$ and $\Delta S$ obtained separately by graphical integration of observed $C_p$ (or total enthalpy input) subtracting contributions from extrapolated normal $C_p$ , $\Delta H$ , $\Delta S$ and T not self-consistent.	
<b>Wiswesser Line Notation</b> L55 ATK C1 -EXO		c,II/liq	447.48 K,
<b>Evaluation</b>	A		$\Delta H = 8347 \text{ J}\cdot\text{mol}^{-1}$
			$\Delta S = 18.74 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>C<sub>8</sub>H<sub>14</sub></b> (liq)	64SER/GOR	$\Delta H$ and $\Delta S$ obtained separately by graphical integration of observed $C_p$ (or total enthalpy input) subtracting contributions from extrapolated normal $C_p$ , $\Delta H$ , $\Delta S$ and T not self-consistent.	
2-Methylbicyclo[2.2.1]heptane(endo)		<b>Molecular Weight</b> 110.1986	
<b>Heat Capacity</b> 298.15 K,	$C_p = 184.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Wiswesser Line Notation</b> L66 A BTJ	
Temperature range 12 to 310 K.		<b>Evaluation</b>	$A(C_p)$ , B(Phase changes)
<b>Entropy</b> 298.15 K,	$S = 238.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>C<sub>8</sub>H<sub>14</sub></b> (liq)	79FUC/PEA
<b>Phase Changes</b>		Ethyldienecyclohexane	
c,II/c,I	152.42 K,	<b>Heat Capacity</b> 298.15 K,	$C_p = 203.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
	$\Delta H = 4707.0 \text{ J}\cdot\text{mol}^{-1}$	One temperature.	
c,J/liq	278.25 K,	<b>Molecular Weight</b> 110.1986	
	$\Delta H = 1620.5 \text{ J}\cdot\text{mol}^{-1}$	<b>Wiswesser Line Notation</b> L6YTJ AU2	
	$\Delta S = 5.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Evaluation</b>	B
<b>Molecular Weight</b> 110.1986		<b>C<sub>8</sub>H<sub>14</sub></b> (liq)	78LEB/LEB
<b>Wiswesser Line Notation</b> L55 ATK C1 -ENDO		Cyclooctene	
<b>Evaluation</b>	A	<b>Heat Capacity</b> 298.15 K,	$C_p = 207.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>C<sub>8</sub>H<sub>14</sub></b> (liq)	70CHA/MCC	Temperature range 8 to 330 K.	
cis-Bicyclo[3.3.0]octane		<b>Entropy</b> 298.15 K,	$S = 254.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Heat Capacity</b> 308 K,	$C_p = 212.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Phase Changes</b>	
Temperature range 308, 334 K.		c,III/c,II	100 K
<b>Molecular Weight</b> 110.1986		Glass transition.	
<b>Wiswesser Line Notation</b> L55TJ -C		c,II/c,I	190 K,
<b>Evaluation</b>	B		$\Delta H = 635 \text{ J}\cdot\text{mol}^{-1}$
			$\Delta S = 3.34 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>C<sub>8</sub>H<sub>14</sub></b> (liq)	70CHA/MCC	c,I/liq	259.15 K,
trans-Bicyclo[3.3.0]octane			$\Delta H = 1813 \text{ J}\cdot\text{mol}^{-1}$
<b>Heat Capacity</b> 308 K,	$C_p = 180.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		$\Delta S = 7.02 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 308, 334 K.		<b>Molecular Weight</b> 110.1986	
<b>Molecular Weight</b> 110.1986		<b>Wiswesser Line Notation</b> L8UTJ	
<b>Wiswesser Line Notation</b> L55TJ -T		<b>Evaluation</b>	A
<b>Evaluation</b>	B	<b>(C<sub>8</sub>H<sub>14</sub>)<sub>n</sub></b> (c)	78LEB/LEB
<b>C<sub>8</sub>H<sub>14</sub></b> (liq)	79FUC/PEA	Polyoctenylene	
Allylcyclopentane		<b>Heat Capacity</b> 298.15 K,	$C_p = 198.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Heat Capacity</b> 298.15 K,	$C_p = 202.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	Temperature range 8 to 330 K.	
One temperature.		<b>Entropy</b> 298.15 K,	$S = 203.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b> 110.1986		<b>Phase Changes</b>	
<b>Wiswesser Line Notation</b> L5TJ A2U1		c,II/c,I	180 K,
<b>Evaluation</b>	B		$\Delta H = 6336 \text{ J}\cdot\text{mol}^{-1}$
			$\Delta S = 35.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
		Glass transition.	
		c,I/liq	308 K,
			$\Delta H = 16760 \text{ J}\cdot\text{mol}^{-1}$
			$\Delta S = 54.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b> 110.1986		<b>Molecular Weight</b> 110.1986	
<b>Wiswesser Line Notation</b> L8TJ A* B*/		<b>Wiswesser Line Notation</b> L8TJ A* B*/	
<b>Evaluation</b>	A	<b>Evaluation</b>	A

$C_8H_{14}N_2O_2$ (c)	91ABA/DEL	$C_8H_{14}O_2$ (liq)	52ERD/JAG
N-Acetylproline-N'-methylamide(DL); 1-Acetyl-N-methyl-2-pyrrolidine carboxamide(DL)		Butyl 2-methylpropenoate; Butyl methacrylate	
<b>Heat Capacity</b> 298 K, $C_p=232.45 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 293 K, $C_p=270.70 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Data extrapolated to 298 K from values obtained at higher temperatures.		Temperature range 20 to 40 °C.	
<b>Molecular Weight</b> 170.2188		<b>Molecular Weight</b> 142.1974	
<b>Wiswesser Line Notation</b> T5NTJ AV1 BVM1 -DL		<b>Wiswesser Line Notation</b> 4OVY1&U1	
<b>Evaluation</b> C		<b>Evaluation</b> C	
$C_8H_{14}N_2O_2$ (c)	91ABA/DEL	$C_8H_{14}O_2$ (liq)	85KAR/ABC
N-Acetylproline-N'-methylamide(L); 1-Acetyl-N-methyl-2-pyrrolidine carboxamide(L)		Butyl 2-methylpropenoate; Butyl methacrylate	
<b>Heat Capacity</b> 298 K, $C_p=222.90 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K, $C_p=273.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Data extrapolated to 298 K from values obtained at higher temperatures.		Temperature range 196 to 350 K. $C_p (\text{J}\cdot\text{kg}^{-1}\cdot\text{K}^{-1}) = 1344.3 + 1.9467 T$ . $C_p$ data calculated from equation.	
<b>Molecular Weight</b> 170.2108		<b>Phase Changes</b>	
<b>Wiswesser Line Notation</b> T5NTJ AV1 BVM1 -L		c/liq 196.8 K	
<b>Evaluation</b> C		<b>Molecular Weight</b> 142.1974	
$C_8H_{14}N_6O_{10}$ (c)	71HAL	<b>Wiswesser Line Notation</b> 4OVY1&U1	
1,7-Diacetoxy-2,4,6-trinitro-2,4,6-triazaheptane		<b>Evaluation</b> B	
<b>Phase Changes</b>		$C_8H_{14}O_2$ (liq)	85KAR/ABD
c/liq 422.5 K, $\Delta H=38493 \text{ J}\cdot\text{mol}^{-1}$		Butyl 2-methylpropenoate; Butyl methacrylate	
<b>Molecular Weight</b> 354.2328		<b>Phase Changes</b>	
<b>Wiswesser Line Notation</b> T7N CN ENTJ ANW CNW EMW FOV1		c/liq 196.8 K, $\Delta H=13947 \text{ J}\cdot\text{mol}^{-1}$	
GOV1		$\Delta S=70.87 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Evaluation</b> C		<b>Molecular Weight</b> 142.1974	
$C_8H_{14}O$ (liq)	84BAG/BAE	<b>Wiswesser Line Notation</b> 4OVY1&U1	
6-Methyl-5-hepten-2-one		<b>Evaluation</b> A	
<b>Heat Capacity</b> 298.35 K, $C_p=267.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		$C_8H_{14}O_2$ (liq)	85KAR/SA
Temperature range 273 to 343 K. $C_p(\text{liq})=0.24752+0.010420T - 1.4\times 10^{-5}T^2 \text{ kJ/kg}\cdot\text{K}$ (273 to 343 K).		Butyl 2-methyl-2-propenoate; Butyl methacrylate	
<b>Molecular Weight</b> 126.1980		<b>Heat Capacity</b> 298.15 K, $C_p=273.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Wiswesser Line Notation</b> 1YTJ3V1		Temperature range 90 to 350 K. $C_p(c)=248.85+4.98T \text{ J/kg}\cdot\text{K}$ (9° to 192 K); $C_p(\text{liq})=1344.27+1.95T \text{ J/kg}\cdot\text{K}$ (196.8 to 350 K). $C_p$ data calculated from equation.	
<b>Evaluation</b> B		<b>Phase Changes</b>	
$C_8H_{14}O$ (liq)	88BAG/GUR	c/liq 196.8 K	
6-Methyl-5-hepten-2-one		<b>Molecular Weight</b> 142.1974	
<b>Heat Capacity</b> 298.35 K, $C_p=268.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Wiswesser Line Notation</b> 4OVY1&U1	
Temperature range 270 to 340 K. Unsmoothed experimental datum.		<b>Evaluation</b> B	
<b>Molecular Weight</b> 126.1980		$C_8H_{14}O_4$ (liq)	33KOL/UDC
<b>Wiswesser Line Notation</b> 1YU3V1		Diethyl succinate	
<b>Evaluation</b> B		<b>Heat Capacity</b> 292.6 K, $C_p=338.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
$C_8H_{14}O$ (liq)	70WES/WON	One temperature.	
3-Oxabicyclo[3.2.2]nonane		<b>Molecular Weight</b> 174.1962	
<b>Heat Capacity</b> 298.15 K, $C_p=185.06 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Wiswesser Line Notation</b> 2OV2VO2	
Temperature range 5 to 477 K.		<b>Evaluation</b> C	
<b>Entropy</b> 298.15 K, $S=236.27 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		$C_8H_{14}O_4$ (liq)	34KOL/UDO
<b>Phase Changes</b>		Diethyl succinate	
c,l/l/c,l 208.5 K, $\Delta H=7017 \text{ J}\cdot\text{mol}^{-1}$		<b>Heat Capacity</b> 292.6 K, $C_p=338.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Transition region 160 to 220 K, maximum at 208.5 K. Entropy change obtained by difference of integrated heat input and lattice (extrapolated $C_p$ ) contribution.		One temperature.	
c,l/liq 448.43 K, $\Delta H=6753 \text{ J}\cdot\text{mol}^{-1}$		<b>Molecular Weight</b> 174.1962	
$\Delta S=15.06 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Wiswesser Line Notation</b> 2OV2VO2	
<b>Molecular Weight</b> 126.1980		<b>Evaluation</b> C	
<b>Wiswesser Line Notation</b> T67 A B EOTJ		$C_8H_{14}O_4$ (liq)	79FUC
<b>Evaluation</b> A		Diethyl succinate	
		<b>Heat Capacity</b> 298.15 K, $C_p=330.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
		One temperature.	
		<b>Molecular Weight</b> 174.1962	
		<b>Wiswesser Line Notation</b> 2OV2VO2	
		<b>Evaluation</b> B	

<b>C<sub>8</sub>H<sub>14</sub>O<sub>4</sub></b> (liq)	86NIL/WAD	<b>C<sub>8</sub>H<sub>15</sub>O<sub>2</sub>Tl</b> (c)	76MEI/SEY
Ethyleneglycoldipropanoate		Thallium octanoate	
<b>Heat Capacity</b> 298.15 K,	$C_p = 331.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Phase Changes</b>	
One temperature.		liq/liq	494 K,
<b>Molecular Weight</b> 174.1962			$\Delta H = 2720 \text{ J}\cdot\text{mol}^{-1}$
<b>Wiswesser Line Notation</b> 2VO2OV2			$\Delta S = 5.44 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Evaluation</b> A		Mesophase-isotropic.	
		c,l/liq	403 K,
			$\Delta H = 4686 \text{ J}\cdot\text{mol}^{-1}$
			$\Delta S = 11.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
		Solid-mesophase.	
<b>C<sub>8</sub>H<sub>14</sub>O<sub>4</sub></b> (c)	74CIN/BER	<b>Molecular Weight</b> 347.5753	
Suberic acid		<b>Wiswesser Line Notation</b> OV7 .TL	
<b>Phase Changes</b>		<b>Evaluation</b> B	
c,II/c,I	407.0 K,		
	$\Delta H = 9033 \text{ J}\cdot\text{mol}^{-1}$		
	$\Delta S = 22.22 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		
c,J/liq	415.5 K,		
	$\Delta H = 29162 \text{ J}\cdot\text{mol}^{-1}$		
	$\Delta S = 70.21 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		
<b>Molecular Weight</b> 174.1962			
<b>Wiswesser Line Notation</b> QV6VQ			
<b>Evaluation</b> B			
<b>C<sub>8</sub>H<sub>14</sub>O<sub>4</sub></b> (c)	70MUR/BRE2	<b>C<sub>8</sub>H<sub>15</sub>O<sub>2</sub>Tl</b> (c)	89ROU/TUR
Tetramethylsuccinic acid		Thallium octanoate	
<b>Phase Changes</b>		<b>Heat Capacity</b> 305 K,	$C_p = 294 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c,II/c,I	383 K,	Temperature range 305 to 490 K.	
	$\Delta H = 13432 \text{ J}\cdot\text{mol}^{-1}$	<b>Phase Changes</b>	
	$\Delta S = 35.27 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	c,IV/c,III	268.7 K,
c,J/liq	464 K,		$\Delta H = 166 \text{ J}\cdot\text{mol}^{-1}$
	$\Delta H = 6472 \text{ J}\cdot\text{mol}^{-1}$		$\Delta S = 0.58 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
	$\Delta S = 13.97 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	c,III/c,II	289.8 K,
<b>Molecular Weight</b> 174.1962			$\Delta H = 3783 \text{ J}\cdot\text{mol}^{-1}$
<b>Wiswesser Line Notation</b> QVX1&1&X1&1&VQ			$\Delta S = 13.05 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Evaluation</b> A		c,II/c,I	294.3 K,
			$\Delta H = 2162 \text{ J}\cdot\text{mol}^{-1}$
			$\Delta S = 7.32 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
		c,I/liq	411.0 K,
			$\Delta H = 5670 \text{ J}\cdot\text{mol}^{-1}$
			$\Delta S = 13.80 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
		Solid-mesophase.	
		liq/liq	494.7 K,
			$\Delta H = 2993 \text{ J}\cdot\text{mol}^{-1}$
			$\Delta S = 6.07 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
		Mesophase-isotropic.	
<b>C<sub>8</sub>H<sub>15</sub>N</b> (c)	63BAR/WES	<b>Molecular Weight</b> 347.5753	
3-Azabicyclo[3.2.2]nonane		<b>Wiswesser Line Notation</b> OV7 .TL	
<b>Heat Capacity</b> 310 K,	$C_p = 239.03 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Evaluation</b> A	
Temperature range 5 to 350 K. Transition too close to 298.15 K to allow meaningful value of $C_p$ .			
<b>Entropy</b> 310 K,	$S = 245.73 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		
<b>Phase Changes</b>			
c,II/c,I	297.78 K,		
	$\Delta H = 14481 \text{ J}\cdot\text{mol}^{-1}$		
	$\Delta S = 48.63 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		
<b>Molecular Weight</b> 125.2132			
<b>Wiswesser Line Notation</b> T67 A B HMTJ			
<b>Evaluation</b> A			
<b>C<sub>8</sub>H<sub>15</sub>N</b> (c)	64WUL/WES	<b>C<sub>8</sub>H<sub>16</sub></b> (liq)	36PAR/TOD2
3-Azabicyclo[3.2.2]nonane		2,4,4-Trimethyl-1-pentene	
<b>Heat Capacity</b> 350 K,	$C_p = 237.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b> 296.0 K,	$C_p = 235.35 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 330 to 490 K.		Temperature range 81 to 296 K. Value is unsmoothed experimental datum.	
<b>Phase Changes</b>		<b>Entropy</b> 298.15 K,	$S = 306.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c,I/liq	467.12 K,	Extrapolation below 90 K, 59.75 $\text{J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ .	
	$\Delta H = 6916 \text{ J}\cdot\text{mol}^{-1}$	<b>Phase Changes</b>	
	$\Delta S = 14.81 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	c/liq	178.9 K,
<b>Molecular Weight</b> 125.2132			$\Delta H = 8765 \text{ J}\cdot\text{mol}^{-1}$
<b>Wiswesser Line Notation</b> T67 A B HMTJ			$\Delta S = 48.99 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Evaluation</b> A			
		<b>Molecular Weight</b> 112.2144	
		<b>Wiswesser Line Notation</b> 1X1&1&1Y1&U1	
		<b>Evaluation</b> B( $C_p$ ),C(S)	
		Low boiling isomer.	
<b>C<sub>8</sub>H<sub>15</sub>NO<sub>2</sub></b> (liq)	85KAR/ABD2	<b>C<sub>8</sub>H<sub>16</sub></b> (liq)	36PAR/TOD2
Dimethylaminomethyl methacrylate		2,4,4-Trimethyl-1-pentene	
<b>Phase Changes</b>		<b>Heat Capacity</b> 298.6 K,	$C_p = 240.20 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c/liq	237.7 K,	Temperature range 81 to 296 K. Value is unsmoothed experimental datum.	
	$\Delta H = 16852 \text{ J}\cdot\text{mol}^{-1}$	<b>Entropy</b> 298.15 K,	$S = 311.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
	$\Delta S = 70.90 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	Extrapolation below 80 K, 62.51 $\text{J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ .	
<b>Molecular Weight</b> 157.2120		<b>Phase Changes</b>	
<b>Wiswesser Line Notation</b> 1UY1&VO2N1&1		c/liq	166 K,
<b>Evaluation</b> A			$\Delta H = 6795 \text{ J}\cdot\text{mol}^{-1}$
			$\Delta S = 40.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
		<b>Molecular Weight</b> 112.2144	
		<b>Wiswesser Line Notation</b> 1X1&1&1Y1&U1	
		<b>Evaluation</b> B( $C_p$ ),C(S)	
		High boiling isomer.	

$C_8H_{16}$ (liq)	30PAR/HUF2	$C_8H_{16}$ (liq)	49HUF/TOD
2,4,4-Trimethyl-2-pentene		1-trans-2-Dimethylcyclohexane	
<b>Heat Capacity</b> 296.0 K,	$C_p=233.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p=209.41 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 92 to 296 K. Value is unsmoothed experimental datum.		Temperature range 12 to 310 K.	
<b>Entropy</b> 298.15 K,	$S=298.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Entropy</b> 298.15 K,	$S=273.22 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Extrapolation below 90 K, $63.76 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ .			
<b>Molecular Weight</b> 112.2144		<b>Molecular Weight</b> 112.2144	
<b>Wiswesser Line Notation</b> 1X1&1&1UY1&1		<b>Wiswesser Line Notation</b> L6TJ A1 B1 -A&A -B&B	
<b>Evaluation</b> B( $C_p$ ), C(S)		<b>Evaluation</b> A	
$C_8H_{16}$ (liq)	1881REI	$C_8H_{16}$ (liq)	49HUF/TOD
2-Octene		1-cis-2-Dimethylcyclohexane	
<b>Heat Capacity</b> 298 K,	$C_p=239.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p=210.20 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 291 to 365 K.		Temperature range 12 to 310 K.	
<b>Molecular Weight</b> 112.2144		<b>Entropy</b> 298.15 K,	$S=274.14 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Wiswesser Line Notation</b> 6U2		<b>Phase Changes</b>	
<b>Evaluation</b> D		c,I/liq	172.5 K,
Uncertain isomeric structure.			$\Delta H=8256.7 \text{ J}\cdot\text{mol}^{-1}$
$C_8H_{16}$ (liq)	57MCC/FIN2	c,I/liq	$\Delta S=47.86 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
1-Octene			$\Delta H=1645.1 \text{ J}\cdot\text{mol}^{-1}$
<b>Heat Capacity</b> 298.15 K,	$C_p=241.21 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		$\Delta S=7.37 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 11 to 360 K.		<b>Molecular Weight</b> 112.2144	
<b>Entropy</b> 298.15 K,	$S=360.45 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Wiswesser Line Notation</b> L6TJ A1 B1 -A&AB	
<b>Phase Changes</b>		<b>Evaluation</b> A	
c/liq	171.46 K,		
	$\Delta H=15313 \text{ J}\cdot\text{mol}^{-1}$		
	$\Delta S=89.31 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		
<b>Molecular Weight</b> 112.2144		$C_8H_{16}$ (liq)	49HUF/TOD
<b>Wiswesser Line Notation</b> 7U1		1-trans-3-Dimethylcyclohexane	
<b>Evaluation</b> A		<b>Heat Capacity</b> 298.15 K,	$C_p=212.84 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
		Temperature range 12 to 310 K.	
$C_8H_{10}$ (liq)	65MES/TOD2	<b>Entropy</b> 298.15 K,	$S=276.27 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
n-Propylcyclopentane		<b>Phase Changes</b>	
<b>Heat Capacity</b> 298.15 K,	$C_p=216.27 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	c/liq	183.06 K,
Temperature range 12 to 370 K.			$\Delta H=9865.9 \text{ J}\cdot\text{mol}^{-1}$
<b>Entropy</b> 298.15 K,	$S=310.83 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		$\Delta S=53.89 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Phase Changes</b>		<b>Molecular Weight</b> 112.2144	
c/liq	155.79 K,	<b>Wiswesser Line Notation</b> L6TJ A1 C1 -A&A -B&C	
	$\Delta H=10033 \text{ J}\cdot\text{mol}^{-1}$	<b>Evaluation</b> A	
	$\Delta S=64.44 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		
<b>Molecular Weight</b> 112.2144		$C_8H_{16}$ (liq)	49HUF/TOD
<b>Wiswesser Line Notation</b> L5TJ A3		1-cis-3-Dimethylcyclohexane	
<b>Evaluation</b> A		<b>Heat Capacity</b> 298.15 K,	$C_p=209.37 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
		Temperature range 12 to 310 K.	
$C_8H_{16}$ (liq)	49HUF/TOD	<b>Entropy</b> 298.15 K,	$S=272.63 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
1,1-Dimethylcyclohexane		<b>Phase Changes</b>	
<b>Heat Capacity</b> 298.15 K,	$C_p=209.24 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	c/liq	197.59 K,
Temperature range 12 to 310 K.			$\Delta H=10820.2 \text{ J}\cdot\text{mol}^{-1}$
<b>Entropy</b> 298.15 K,	$S=267.23 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		$\Delta S=54.77 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Phase Changes</b>		<b>Molecular Weight</b> 112.2144	
c,II/c,I	153.15 K,	<b>Wiswesser Line Notation</b> L6TJ A1 C1 -A&AC	
	$\Delta H=5984.4 \text{ J}\cdot\text{mol}^{-1}$	<b>Evaluation</b> A	
	$\Delta S=39.00 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		
c,I/liq	239.81 K,	$C_8H_{16}$ (liq)	49HUF/TOD
	$\Delta H=2025 \text{ J}\cdot\text{mol}^{-1}$	1-trans-4-Dimethylcyclohexane	
	$\Delta S=8.44 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p=210.25 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b> 112.2144		Temperature range 12 to 310 K.	
<b>Wiswesser Line Notation</b> L6TJ A1 A1		<b>Entropy</b> 298.15 K,	$S=268.03 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Evaluation</b> A		<b>Phase Changes</b>	
$C_8H_{16}$ (liq)	89VOS/SLO	c/liq	236.22 K,
1,2-Dimethylcyclohexane			$\Delta H=12331.1 \text{ J}\cdot\text{mol}^{-1}$
<b>Heat Capacity</b> 325.2 K,	$C_p=173.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		$\Delta S=52.21 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 325.2 to 461.2 K. Unsmoothed experimental datum.		<b>Molecular Weight</b> 112.2144	
<b>Molecular Weight</b> 112.2144		<b>Wiswesser Line Notation</b> L6TJ A1 D1 -A&A -B&D	
<b>Wiswesser Line Notation</b> L6TJ A1 B1		<b>Evaluation</b> A	
<b>Evaluation</b> C			

<b>C<sub>8</sub>H<sub>16</sub></b> (liq)		49HUF/TOD	<b>C<sub>8</sub>H<sub>16</sub></b> (liq)		79FOR/DAR
1-cis-4-Dimethylcyclohexane			Cyclooctane		
<b>Heat Capacity</b>	298.15 K, Temperature range 12 to 310 K.	$C_p = 212.09 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K, One temperature.	$C_p = 215.461 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Entropy</b>	298.15 K,	$S = 271.12 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Molecular Weight</b>	112.2144	
<b>Phase Changes</b>	c/liq	$\Delta H = 9306.9 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 50.11 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Wiswesser Line Notation</b>	L8TJ	
<b>Molecular Weight</b>	112.2144		<b>Evaluation</b>	B	
<b>Wiswesser Line Notation</b>	L6TJ A1 D1 -A&AD				
<b>Evaluation</b>	A				
<b>C<sub>8</sub>H<sub>16</sub></b> (liq)		49HUF/TOD	<b>C<sub>8</sub>H<sub>16</sub></b> (liq)		79WIL/FAR
Ethylcyclohexane			Cyclooctane		
<b>Heat Capacity</b>	298.15 K, Temperature range 12 to 310 K.	$C_p = 211.79 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K, One temperature.	$C_p = 214.53 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Entropy</b>	298.15 K,	$S = 280.91 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Molecular Weight</b>	112.2144	
<b>Phase Changes</b>	c/liq	$\Delta H = 8333.3 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 51.49 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Wiswesser Line Notation</b>	L8TJ	
<b>Molecular Weight</b>	112.2144		<b>Evaluation</b>	B	
<b>Wiswesser Line Notation</b>	L6TJ A2				
<b>Evaluation</b>	A				
<b>C<sub>8</sub>H<sub>16</sub></b> (liq)		49PAR/MOO	<b>C<sub>8</sub>H<sub>16</sub></b> (liq)		85TAN
Ethylcyclohexane			Cyclooctane		
<b>Heat Capacity</b>	298.15 K, Temperature range 80 to 300 K.	$C_p = 214.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K, One temperature.	$C_p = 215.53 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Entropy</b>	298.15 K, Extrapolation below 80 K, 57.74 J·mol <sup>-1</sup> ·K <sup>-1</sup> .	$S = 281.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Molecular Weight</b>	112.2144	
<b>Phase Changes</b>	c/liq	$\Delta H = 8276 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 51.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Wiswesser Line Notation</b>	L8TJ	
<b>Molecular Weight</b>	112.2144		<b>Evaluation</b>	A	
<b>Wiswesser Line Notation</b>	L6TJ A2				
<b>Evaluation</b>	B( $C_p$ ),C(S)				
<b>C<sub>8</sub>H<sub>16</sub></b> (liq)		56FIN/SCO	<b>C<sub>8</sub>H<sub>16</sub>N<sub>2</sub>O<sub>2</sub></b> (c)		88SHI/OGA2
Cyclooctane			Cyclooctane		
<b>Heat Capacity</b>	298.15 K, Temperature range 12 to 330 K.	$C_p = 215.48 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K, One temperature.	$C_p = 215.78 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Entropy</b>	298.15 K,	$S = 262.00 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Molecular Weight</b>	112.2144	
<b>Phase Changes</b>	c,III/c,II	$\Delta H = 6305.7 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 37.87 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Wiswesser Line Notation</b>	L8TJ	
	166.5 K,	$\Delta H = 478.2 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 2.60 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Evaluation</b>	A	
	c,II/c,I	$\Delta H = 2409.6 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 8.37 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
	183.8 K,				
	c,I/liq				
	287.98 K,				
<b>Molecular Weight</b>	112.2144				
<b>Wiswesser Line Notation</b>	L8TJ				
<b>Evaluation</b>	A				
<b>C<sub>8</sub>H<sub>16</sub></b> (liq)		75JOL/BOI	<b>C<sub>8</sub>H<sub>16</sub>N<sub>2</sub>O<sub>2</sub></b> (c)		91ABA/DEL
Cyclooctane			N-Acetylvaline-N'-methylamide(DL); 2-(Acetylamino)-N, 3-dimethylbutanamide(DL)		
<b>Heat Capacity</b>	298.15 K, One temperature.	$C_p = 214.24 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298 K, Data extrapolated to 298 K from values obtained at higher temperatures.	$C_p = 259.16 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b>	112.2144		<b>Molecular Weight</b>	172.2266	
<b>Wiswesser Line Notation</b>	L8TJ		<b>Wiswesser Line Notation</b>	1VMYY1&1&VM1 -DL	
<b>Evaluation</b>	B		<b>Evaluation</b>	C	
<b>C<sub>8</sub>H<sub>16</sub></b> (liq)			<b>C<sub>8</sub>H<sub>16</sub>N<sub>2</sub>O<sub>2</sub></b> (c)		91ABA/DEL
Cyclooctane			N-Acetylvaline-N'-methylamide(L); 2-(Acetylamino)-N,3-dimethylbutanamide(L)		
<b>Heat Capacity</b>	298.15 K, One temperature.		<b>Heat Capacity</b>	298 K, Data extrapolated to 298 K from values obtained at higher temperatures.	$C_p = 245.92 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b>	112.2144		<b>Molecular Weight</b>	172.2266	
<b>Wiswesser Line Notation</b>	L8TJ		<b>Wiswesser Line Notation</b>	1VMYY1&1&VM1 -L	
<b>Evaluation</b>	B		<b>Evaluation</b>	C	
<b>C<sub>8</sub>H<sub>16</sub></b> (liq)			<b>C<sub>8</sub>H<sub>16</sub>N<sub>2</sub>O<sub>2</sub></b> (c)		91ABA/DEL
Cyclooctane			N-Acetylnorvaline-N'-methylamide(DL); 2-(Acetylamino)-N-methylpentanamide(DL)		
<b>Heat Capacity</b>	298.15 K, One temperature.		<b>Heat Capacity</b>	298 K, Data extrapolated to 298 K from values obtained at higher temperatures.	$C_p = 239.69 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b>	112.2144		<b>Molecular Weight</b>	172.2266	
<b>Wiswesser Line Notation</b>	L8TJ		<b>Wiswesser Line Notation</b>	3XVM1&MV1 -DL	
<b>Evaluation</b>	B		<b>Evaluation</b>	C	

$C_8H_{16}N_2O_2$ (c)		88FER/DEL	$C_8H_{16}O$ (liq)		80DYA/VA
N-Acetyl-D-leucine amide			Octanal; Caprylaldehyde		
<b>Phase Changes</b>			<b>Heat Capacity</b>		
c/liq	404.0 K,	$\Delta H=20200 \text{ J}\cdot\text{mol}^{-1}$	Temperature range 50 to 350 K.		
		$\Delta S=50.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Phase Changes</b>		
<b>Molecular Weight</b>	172.2266		c, I/liq	247.72 K,	$\Delta H=25860 \text{ J}\cdot\text{mol}^{-1}$
<b>Wiswesser Line Notation</b>	ZVY4&MV1				$\Delta S=104.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Evaluation</b>	A				
$C_8H_{16}N_2O_3$ (c)		41HUF	<b>98.01 mol% purity.</b>		
Leucylglycine(DL)			<b>Molecular Weight</b>	128.2138	
<b>Heat Capacity</b>	297.1 K,	$C_p=255.64 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Wiswesser Line Notation</b>	VH7	
		Temperature range 86 to 297 K. Value is unsmoothed experimental datum.	<b>Evaluation</b>	B	
<b>Entropy</b>	298.1 K,	$S=281.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	Manuscript deposited in Cent. Sci. Res. Inst. Tech. Eng. Petrochemicals, July 27, 1979.		
		Extrapolation below 90 K, 82.47 $\text{J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ .			
<b>Molecular Weight</b>	188.2260				
<b>Wiswesser Line Notation</b>	QV1MVYZ1Y1&1-DL				
<b>Evaluation</b>	A( $C_p$ ),C(S)				
$C_8H_{16}N_2O_3$ (c)		89KUL/KOZ	$C_8H_{16}O$ (liq)		82DYA/VA
$\alpha$ -Alanylvaline(DL)			Octanal; Caprylaldehyde		
<b>Heat Capacity</b>	298 K,	$C_p=240.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Entropy</b>	298.15 K,	$S=365.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
		Temperature range 298 to 348 K.	<b>Phase Changes</b>		
<b>Molecular Weight</b>	188.2260		c/liq	$\Delta H=26130 \text{ J}\cdot\text{mol}^{-1}$	
<b>Wiswesser Line Notation</b>	ZY1&VMYVQY1&1		<b>Molecular Weight</b>	128.2138	
<b>Evaluation</b>	C		<b>Wiswesser Line Notation</b>	VH7	
			<b>Evaluation</b>	B	
$C_8H_{16}N_2O_3$ (c)		90BAD/KUL	$C_8H_{16}O$ (liq)		84VAS/PE
Alanlylvaline(DL)			Octanal; Caprylaldehyde		
<b>Heat Capacity</b>	298 K,	$C_p=240 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p=259.58 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
		Temperature range 298, 313, 333, 348 K.		Temperature range 10 to 350 K.	$S=365.45 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b>	188.2260		<b>Entropy</b>	298.15 K,	
<b>Wiswesser Line Notation</b>	ZY1&VMY&Y1&1&VQ -DL		<b>Phase Changes</b>		
<b>Evaluation</b>	D		c/liq	247.72 K	
			<b>Molecular Weight</b>	128.2138	
			<b>Wiswesser Line Notation</b>	VH7	
			<b>Evaluation</b>	A	
$C_8H_{16}O$ (liq)		1881REI	$C_8H_{16}O_2$ (liq)		84GUS/SH
2-Octanone; Methyl hexyl ketone			Isoamyl propionate		
<b>Heat Capacity</b>	298 K,	$C_p=274.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p=285.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
		Temperature range 291 to 463 K.		Temperature range 205 to 348 K. Unsmoothed experimental datum. Interpolated to 298.15 K.	
<b>Molecular Weight</b>	128.2138		<b>Molecular Weight</b>	144.2132	
<b>Wiswesser Line Notation</b>	6V1		<b>Wiswesser Line Notation</b>	2VO2Y	
<b>Evaluation</b>	D		<b>Evaluation</b>	C	
$C_8H_{16}O$ (liq)		65OET	$C_8H_{16}O_2$ (liq)		84VAS/PE
2-Octanone; Methyl hexyl ketone			Butyl butanoate		
<b>Heat Capacity</b>	298.15 K,	$C_p=273.26 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	300 K,	$C_p=281.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
		Temperature range 13 to 330 K.		Temperature range 180 to 370 K.	
<b>Entropy</b>	298.15 K,	$S=373.84 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Phase Changes</b>		
<b>Phase Changes</b>			c/liq	181.68 K,	$\Delta H=14930 \text{ J}\cdot\text{mol}^{-1}$
c/liq	252.86 K,	$\Delta H=24419 \text{ J}\cdot\text{mol}^{-1}$			$\Delta S=82.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
		$\Delta S=96.57 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Molecular Weight</b>	144.2132	
<b>Molecular Weight</b>	128.2138		<b>Wiswesser Line Notation</b>	4OV3	
<b>Wiswesser Line Notation</b>	6V1		<b>Evaluation</b>	A	
<b>Evaluation</b>	A				
$C_8H_{16}O_2$ (liq)		83GUS/KI	$C_8H_{16}O_2$ (liq)		
Amyl propionate; Pentyl propionate			Amyl propionate		
<b>Heat Capacity</b>	277.11 K,	$C_p=239.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	277.11 K,	$C_p=239.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
		Temperature range 200 to 360 K. Unsmoothed experimental datum. $C_p$ given as $1.661 \text{ J}\cdot\text{g}^{-1}\cdot\text{K}^{-1}$ .			
<b>Molecular Weight</b>	144.2132		<b>Molecular Weight</b>	144.2132	
<b>Wiswesser Line Notation</b>	5OV2		<b>Wiswesser Line Notation</b>	5OV2	
<b>Evaluation</b>	B		<b>Evaluation</b>	B	

<b>C<sub>8</sub>H<sub>16</sub>O<sub>2</sub></b> (liq)	84GUS/SHU	<b>C<sub>8</sub>H<sub>18</sub></b> (c)	30PAR/HUF
Amyl propionate; Pentyl propionate		2,2,3,3-Tetramethylbutane	
<b>Heat Capacity</b> 298.15 K,	$C_p = 245.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b> 295.4 K,	$C_p = 232.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 205 to 348 K. Unsmoothed experimental datum. Interpolated to 298.15 K.		Temperature range 89 to 295 K. Value is unsmoothed experimental datum.	
<b>Molecular Weight</b> 144.2132		<b>Entropy</b> 298.15 K,	$S = 256.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Wiswesser Line Notation</b> 5OV2		Extrapolation below 90 K, 64.68 $\text{J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ .	
<b>Evaluation</b> C		<b>Phase Changes</b>	
<b>C<sub>8</sub>H<sub>16</sub>O<sub>2</sub></b> (liq)	84VAS/PET	c,II/c,I	148.1 K, $\Delta H = 2008 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 13.56 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Hexyl ethanoate		<b>Molecular Weight</b> 114.2302	
<b>Heat Capacity</b> 300 K,	$C_p = 282.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Wiswesser Line Notation</b> 1X1&1&X1&1&1	
Temperature range 210 to 370 K.		<b>Evaluation</b> B( $C_p$ ),C(S)	
<b>Phase Changes</b>		<b>C<sub>8</sub>H<sub>18</sub></b> (c)	52SCO/DOU
c/liq	212.10 K,	2,2,3,3-Tetramethylbutane	
$\Delta H = 19830 \text{ J}\cdot\text{mol}^{-1}$		<b>Heat Capacity</b> 301.60 K,	$C_p = 239.62 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
$\Delta S = 93.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		Temperature range 12 to 374 K. Value is unsmoothed experimental datum.	
<b>Molecular Weight</b> 144.2132		<b>Entropy</b> 298.15 K,	$S = 273.76 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Wiswesser Line Notation</b> 6OV1		<b>Phase Changes</b>	
<b>Evaluation</b> A		c,II/c,I	152.5 K, $\Delta H = 2000 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 13.11 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>C<sub>8</sub>H<sub>16</sub>O<sub>2</sub></b> (liq)	79FUC	c,I/liq	373.9 K, $\Delta H = 7540 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 20.17 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Methyl heptanoate; Methyl oenanthoate; Methyl enanthoate		<b>Molecular Weight</b> 114.2302	
<b>Heat Capacity</b> 298.15 K,	$C_p = 285.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Wiswesser Line Notation</b> 1X1&1&X1&1&1	
One temperature.		<b>Evaluation</b> A	
<b>Molecular Weight</b> 144.2132		<b>C<sub>8</sub>H<sub>18</sub></b> (liq)	30PAR/HUF
<b>Wiswesser Line Notation</b> 6VO1		Isooctane; 2,2,4-Trimethylpentane	
<b>Evaluation</b> B		<b>Heat Capacity</b> 295.2 K,	$C_p = 233.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>C<sub>8</sub>H<sub>16</sub>O<sub>2</sub></b> (liq)	24GAR/RAN	Temperature range 88 to 295 K. Value is unsmoothed experimental datum.	
Octanoic acid; Caprylic acid		<b>Entropy</b> 298.15 K,	$S = 314.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Heat Capacity</b> 305 K,	$C_p = 304.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	Extrapolation below 90 K, 66.53 $\text{J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ .	
Temperature range 0 to 46 °C. Mean value 18 to 46 °C.		<b>Phase Changes</b>	
<b>Phase Changes</b>		c/liq	165.3 K, $\Delta H = 9042 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 54.70 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c/liq	289.5 K,	<b>Molecular Weight</b> 114.2302	
$\Delta H = 21380 \text{ J}\cdot\text{mol}^{-1}$		<b>Wiswesser Line Notation</b> 1Y1&1&X1&1&1	
$\Delta S = 73.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Evaluation</b> B( $C_p$ ),C(S)	
<b>Molecular Weight</b> 144.2132		<b>C<sub>8</sub>H<sub>18</sub></b> (liq)	40PIT
<b>Wiswesser Line Notation</b> QV7		Isooctane; 2,2,4-Trimethylpentane	
<b>Evaluation</b> B		<b>Heat Capacity</b> 301.9 K,	$C_p = 241.00 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>C<sub>8</sub>H<sub>16</sub>O<sub>2</sub></b> (liq)	82SCH/MIL2	Temperature range 15 to 318 K. Value is unsmoothed experimental datum.	
Octanoic acid; Caprylic acid		<b>Entropy</b> 298.15 K,	$S = 328.03 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Heat Capacity</b> 298.15 K,	$C_p = 297.92 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Phase Changes</b>	
Temperature range 80 to 300 K.		c/liq	165.79 K, $\Delta H = 9211.5 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 55.56 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Phase Changes</b>		<b>Molecular Weight</b> 114.2302	
c,I/liq	289.66 K,	<b>Wiswesser Line Notation</b> 1Y1&1&X1&1&1	
$\Delta H = 21350 \text{ J}\cdot\text{mol}^{-1}$		<b>Evaluation</b> A	
$\Delta S = 73.71 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>C<sub>8</sub>H<sub>18</sub></b> (liq)	47OSB/GIN
<b>Molecular Weight</b> 144.2132		Isooctane; 2,2,4-Trimethylpentane	
<b>Wiswesser Line Notation</b> QV7		<b>Heat Capacity</b> 298.15 K,	$C_p = 238.57 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Evaluation</b> B		Temperature range 283 to 318 K.	
<b>C<sub>8</sub>H<sub>17</sub>Cl</b> (liq)	93SHE	<b>Molecular Weight</b> 114.2302	
1-Chlorooctane; n-Octyl chloride		<b>Wiswesser Line Notation</b> 1Y1&1&X1&1&1	
<b>Heat Capacity</b> 298.15 K,	$C_p = 274.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Evaluation</b> A	
One temperature.		<b>C<sub>8</sub>H<sub>18</sub></b> (liq)	
<b>Molecular Weight</b> 148.6753		Isooctane; 2,2,4-Trimethylpentane	
<b>Wiswesser Line Notation</b> G8		<b>Heat Capacity</b> 298.15 K,	$C_p = 238.57 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Evaluation</b> B		Temperature range 283 to 318 K.	
<b>C<sub>8</sub>H<sub>17</sub>NO<sub>2</sub></b> (c)	83SKO/SAB	<b>Molecular Weight</b> 114.2302	
8-Aminooctanoic acid		<b>Wiswesser Line Notation</b> 1Y1&1&X1&1&1	
<b>Heat Capacity</b> 298 K,	$C_p = 251.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Evaluation</b> A	
One temperature.		<b>C<sub>8</sub>H<sub>18</sub></b> (liq)	47OSB/GIN
<b>Molecular Weight</b> 159.2278		Isooctane; 2,2,4-Trimethylpentane	
<b>Wiswesser Line Notation</b> Z7VQ		<b>Heat Capacity</b> 298.15 K,	$C_p = 238.57 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Evaluation</b> B		Temperature range 283 to 318 K.	

$C_8H_{18}$ (liq)	50AUE/SAG	$C_8H_{18}$ (liq)	88SHI/OGA
Isooctane; 2,2,4-Trimethylpentane		Isooctane; 2,2,4-Trimethylpentane	
<b>Heat Capacity</b> 300 K,	$C_p = 233.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p = 239.71 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 300 to 366 K. $C_p$ given as 0.4980 Btu(lb) $^{-1}$ (°R) $^{-1}$ at 80 °F.		One temperature.	
<b>Molecular Weight</b> 114.2302		<b>Molecular Weight</b> 114.2302	
Wiswesser Line Notation 1Y1&1X1&1&1		Wiswesser Line Notation 1Y1&1X1&1&1	
Evaluation B		Evaluation A	
$C_8H_{18}$ (liq)	73SUB/RAS	$C_8H_{18}$ (liq)	47OSB/GIN
Isooctane; 2,2,4-Trimethylpentane		2,5-Dimethylhexane	
<b>Heat Capacity</b> 298.15 K,	$C_p = 237.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p = 249.20 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 298 to 323 K.		Temperature range 278 to 318 K.	
<b>Molecular Weight</b> 114.2302		<b>Molecular Weight</b> 114.2302	
Wiswesser Line Notation 1Y1&1X1&1&1		Wiswesser Line Notation 1Y1&2Y1&1	
Evaluation B		Evaluation A	
$C_8H_{18}$ (liq)	74RAJ/SUB	$C_8H_{18}$ (liq)	41PIT/SCC
Isooctane; 2,2,4-Trimethylpentane		2,3,4-Trimethylpentane	
<b>Heat Capacity</b> 298.15 K,	$C_p = 237.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 293.79 K,	$C_p = 246.23 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 298.15 to 323.15 K.		Temperature range 14 to 325 K. Value is unsmoothed experimental datum.	
<b>Molecular Weight</b> 114.2302		<b>Entropy</b> 298.15 K,	$S = 329.32 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Wiswesser Line Notation 1Y1&1X1&1&1		<b>Phase Changes</b>	
Evaluation B		c/liq 163.63 K, $\Delta H = 9268 \text{ J} \cdot \text{mol}^{-1}$	$\Delta S = 56.64 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
$C_8H_{18}$ (liq)	76FOR/BEN2	$C_8H_{18}$ (liq)	47OSB/GIN
Isooctane; 2,2,4-Trimethylpentane		2,3,4-Trimethylpentane	
<b>Heat Capacity</b> 298.15 K,	$C_p = 238.871 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p = 247.32 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Average of three values.		Temperature range 278 to 318 K.	
<b>Molecular Weight</b> 114.2302		<b>Molecular Weight</b> 114.2302	
Wiswesser Line Notation 1Y1&1X1&1&1		Wiswesser Line Notation 1Y1&Y1&Y1&1	
Evaluation A		Evaluation B	
$C_8H_{18}$ (liq)	87KAL/KOH	$C_8H_{18}$ (liq)	47OSB/GIN
Isooctane; 2,2,4-Trimethylpentane		2,3,3-Trimethylpentane	
<b>Heat Capacity</b> 293.15 K,	$C_p = 237.85 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p = 245.56 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 293.15, 313.15 K.		Temperature range 278 to 318 K.	
<b>Molecular Weight</b> 114.2302		<b>Molecular Weight</b> 114.2302	
Wiswesser Line Notation 1Y1&1X1&1&1		Wiswesser Line Notation 2X1&1&Y1&1	
Evaluation B		Evaluation A	
$C_8H_{18}$ (liq)	88COS/HUU	$C_8H_{18}$ (liq)	47OSB/GI
Isooctane; 2,2,4-Trimethylpentane		3,3-Dimethylhexane	
<b>Heat Capacity</b> 298.15 K,	$C_p = 242.49 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p = 246.60 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
One temperature.		Temperature range 278 to 318 K.	
<b>Molecular Weight</b> 114.2302		<b>Molecular Weight</b> 114.2302	
Wiswesser Line Notation 1Y1&1X1&1&1		Wiswesser Line Notation 3X2&1&1	
Evaluation B		Evaluation A	
$C_8H_{18}$ (liq)	88PER/AIC	$C_8H_{18}$ (liq)	47OSB/GI
Isooctane; 2,2,4-Trimethylpentane		4-Methylheptane	
<b>Heat Capacity</b> 298.15 K,	$C_p = 242.49 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p = 251.08 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
One temperature.		Temperature range 278 to 318 K.	
<b>Molecular Weight</b> 114.2302		<b>Molecular Weight</b> 114.2302	
Wiswesser Line Notation 1Y1&1X1&1&1		Wiswesser Line Notation 3Y3&1	
Evaluation A		Evaluation A	

<b>C<sub>8</sub>H<sub>18</sub></b> (liq)	47OSB/GIN	<b>C<sub>8</sub>H<sub>18</sub></b> (liq)	31HUF/PAR
3-Methylheptane		n-Octane	
<b>Heat Capacity</b> 298.15 K,	$C_p=249.66 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b> 298.3 K,	$C_p=251.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 293 to 318 K.		Temperature range 92 to 298 K. Value is unsmoothed experimental datum.	
<b>Molecular Weight</b> 114.2302		<b>Entropy</b> 298.1 K,	$S=359.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Wiswesser Line Notation</b> 4Y2&1		Extrapolation below 90 K, 75.73 J·mol <sup>-1</sup> ·K <sup>-1</sup> .	
<b>Evaluation</b> A		<b>Phase Changes</b>	
		c/liq 215.8 K, $\Delta H=20652 \text{ J}\cdot\text{mol}^{-1}$	$\Delta S=95.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>C<sub>8</sub>H<sub>18</sub></b> (liq)	73FIN/MES	<b>Molecular Weight</b> 114.2302	
3-Methylheptane		<b>Wiswesser Line Notation</b> 8H	
<b>Heat Capacity</b> 298.15 K,	$C_p=250.20 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Evaluation</b> B( $C_p$ ),C(S)	
Temperature range 10 to 380 K.			
<b>Entropy</b> 298.15 K,	$S=362.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		
Thermodynamic properties calculated from a Debye function at 10 K.			
<b>Phase Changes</b>			
c/liq 152.6574 K,	$\Delta H=11694 \text{ J}\cdot\text{mol}^{-1}$		
	$\Delta S=7.665 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		
<b>Molecular Weight</b> 114.2302			
<b>Wiswesser Line Notation</b> 4Y2&1			
<b>Evaluation</b> A			
<b>C<sub>8</sub>H<sub>18</sub></b> (liq)	47OSB/GIN	<b>C<sub>8</sub>H<sub>18</sub></b> (liq)	47OSB/GIN
2-Methylheptane		n-Octane	
<b>Heat Capacity</b> 298.15 K,	$C_p=251.58 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p=253.89 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 283 to 318 K.		Temperature range 293 to 318 K.	
<b>Molecular Weight</b> 114.2302		<b>Molecular Weight</b> 114.2302	
<b>Wiswesser Line Notation</b> 5Y1&1		<b>Wiswesser Line Notation</b> 8H	
<b>Evaluation</b> A		<b>Evaluation</b> A	
<b>C<sub>8</sub>H<sub>18</sub></b> (liq)	71MES/FIN	<b>C<sub>8</sub>H<sub>18</sub></b> (liq)	51CON/SAG
2-Methylheptane		n-Octane	
<b>Heat Capacity</b> 298.15 K,	$C_p=252.00 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b> 299.8 K,	$C_p=253.93 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 11 to 370 K.		Temperature range 80 to 200 °F.	
<b>Entropy</b> 298.15 K,	$S=356.39 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Molecular Weight</b> 114.2302	
<b>Phase Changes</b>		<b>Wiswesser Line Notation</b> 8H	
c/liq 64.19 K,	$\Delta H=11920 \text{ J}\cdot\text{mol}^{-1}$	<b>Evaluation</b> B	
	$\Delta S=72.60 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		
<b>Molecular Weight</b> 114.2302			
<b>Wiswesser Line Notation</b> 5Y1&1			
<b>Evaluation</b> A			
<b>C<sub>8</sub>H<sub>18</sub></b> (liq)	54FIN/GRO2	<b>C<sub>8</sub>H<sub>18</sub></b> (liq)	75GRI/RAS
n-Octane		n-Octane	
<b>Heat Capacity</b> 293.7 K,	$C_p=247.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p=254.14 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 85 to 294 K. Value is unsmoothed experimental datum.		Temperature range 12 to 300 K.	
<b>Entropy</b> 298.15 K,	$S=359.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Entropy</b> 298.15 K,	$S=361.20 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Extrapolation below 90 K, 77.19 J·mol <sup>-1</sup> ·K <sup>-1</sup> .		<b>Phase Changes</b>	
<b>Phase Changes</b>		c/liq 216.38 K, $\Delta H=20740 \text{ J}\cdot\text{mol}^{-1}$	$\Delta S=95.85 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c/liq 215.6 K,	$\Delta H=20092 \text{ J}\cdot\text{mol}^{-1}$	<b>Molecular Weight</b> 114.2302	
	$\Delta S=93.19 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Wiswesser Line Notation</b> 8H	
<b>Molecular Weight</b> 114.2302		<b>Evaluation</b> A	
<b>Wiswesser Line Notation</b> 8H			
<b>Evaluation</b> B( $C_p$ ),C(S)			
<b>C<sub>8</sub>H<sub>18</sub></b> (liq)	80SHA/LYU	<b>C<sub>8</sub>H<sub>18</sub></b> (liq)	
n-Octane		n-Octane	
<b>Heat Capacity</b> 298 K,	$C_p=253.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p=252.92 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 305 to 463 K.		Temperature range 65 to 300 K.	
<b>Molecular Weight</b> 114.2302		<b>Molecular Weight</b> 114.2302	
<b>Wiswesser Line Notation</b> 8H		<b>Wiswesser Line Notation</b> 8H	
<b>Evaluation</b> B		<b>Evaluation</b> A	

<b>C<sub>8</sub>H<sub>18</sub></b> (liq)		81GRO/ING	<b>C<sub>8</sub>H<sub>18</sub></b> (liq)		86TAR/AIC
n-Octane			n-Octane		
<b>Heat Capacity</b>	298.15 K, One temperature.	$C_p = 254.07 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K, One temperature.	$C_p = 255.68 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b>	114.2302		<b>Molecular Weight</b>	114.2302	
<b>Wiswesser Line Notation</b>	8H		<b>Wiswesser Line Notation</b>	8H	
<b>Evaluation</b>	B		<b>Evaluation</b>	B	
<b>C<sub>8</sub>H<sub>18</sub></b> (liq)		82ZAR	<b>C<sub>8</sub>H<sub>18</sub></b> (liq)		88AND/PAT
n-Octane			n-Octane		
<b>Heat Capacity</b>	298 K, Temperature range 298, 323, 363 K.	$C_p = 252.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K, One temperature.	$C_p = 255.68 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b>	114.2302		<b>Molecular Weight</b>	114.2302	
<b>Wiswesser Line Notation</b>	8H		<b>Wiswesser Line Notation</b>	8H	
<b>Evaluation</b>	B		<b>Evaluation</b>	B	
<b>C<sub>8</sub>H<sub>18</sub></b> (liq)		84GRI/AND	<b>C<sub>8</sub>H<sub>18</sub></b> (liq)		88PER/AIC
n-Octane			n-Octane		
<b>Heat Capacity</b>	297.54 K, Temperature range 297 to 410 K. Unsmoothed experimental datum given as 2.210 KJ/kg·K.	$C_p = 252.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K, One temperature.	$C_p = 255.68 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b>	114.2303		<b>Molecular Weight</b>	114.2302	
<b>Wiswesser Line Notation</b>	8H		<b>Wiswesser Line Notation</b>	8H	
<b>Evaluation</b>	B		<b>Evaluation</b>	A	
<b>C<sub>8</sub>H<sub>18</sub></b> (liq)		84ROU/GRO	<b>C<sub>8</sub>H<sub>18</sub></b> (liq)		91BAN/GAR
n-Octane			n-Octane		
<b>Heat Capacity</b>	298.15 K, One temperature.	$C_p = 254.02 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	318.15 K, Temperature range 318 to 373 K. p=0.1 MPa.	$C_p = 262.20 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b>	114.2302		<b>Molecular Weight</b>	114.2302	
<b>Wiswesser Line Notation</b>	8H		<b>Wiswesser Line Notation</b>	8H	
<b>Evaluation</b>	B		<b>Evaluation</b>	B	
<b>C<sub>8</sub>H<sub>18</sub></b> (liq)		85LAI/GRO	<b>C<sub>8</sub>H<sub>18</sub></b> (liq)		91TRE/COS
n-Octane			n-Octane		
<b>Heat Capacity</b>	298.15 K, One temperature.	$C_p = 254.18 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K, One temperature.	$C_p = 255.68 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b>	114.2302		<b>Molecular Weight</b>	114.2302	
<b>Wiswesser Line Notation</b>	8H		<b>Wiswesser Line Notation</b>	8H	
<b>Evaluation</b>	B		<b>Evaluation</b>	B	
<b>C<sub>8</sub>H<sub>18</sub></b> (liq)		85LAI/ROD	<b>C<sub>8</sub>H<sub>18</sub></b> (liq)		93CZA
n-Octane			n-Octane		
<b>Heat Capacity</b>	298.15 K, One temperature.	$C_p = 253.72 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	299 K, One temperature.	$C_p = 254.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b>	114.2302		<b>Molecular Weight</b>	114.2302	
<b>Wiswesser Line Notation</b>	8H		<b>Wiswesser Line Notation</b>	8H	
<b>Evaluation</b>	B		<b>Evaluation</b>	B	
<b>C<sub>8</sub>H<sub>18</sub></b> (liq)		86BEN/DAR3	(C <sub>8</sub> H <sub>14</sub> ) <sub>n</sub> (amorph)		92GRE
n-Octane			Poly(vinyl cyclohexane)		
<b>Heat Capacity</b>	298.15 K, One temperature.	$C_p = 254.11 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Phase Changes</b>		
<b>Molecular Weight</b>	114.2302		c/liq	678 K,	$\Delta H = 5600 \text{ J}\cdot\text{mol}^{-1}$
<b>Wiswesser Line Notation</b>	8H		<b>Molecular Weight</b>	110.1986	
<b>Evaluation</b>	B		<b>Wiswesser Line Notation</b>	/*1YR&*/	
			<b>Evaluation</b>	A	
			T(glass)=	353 K.	

$C_8H_{18}N_2$ (c) 1,1-Dimethylazothane <b>Phase Changes</b> c,II/c,I      242.6 K, $\Delta H = 4890 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 20.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ c,II/liq      258.6 K, $\Delta H = 10280 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 39.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ <b>Molecular Weight</b> 142.2443 <b>Wiswesser Line Notation</b> !X1&I&NUNX1&I&I <b>Evaluation</b> A	80BYS	$C_8H_{18}O$ (liq) 2-Ethylhexanol <b>Heat Capacity</b> 298.15 K,      Temperature range 13 to 350 K. <b>Entropy</b> 298.15 K, $S = 347.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ <b>Molecular Weight</b> 130.2296 <b>Wiswesser Line Notation</b> Q1Y4&2 <b>Evaluation</b> A	87BUS/MAS
$C_8H_{18}N_2O$ (c) 1,1-Dimethylazoxyethane <b>Phase Changes</b> c,II/c,I      268.0 K, $\Delta H = 8340 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 31.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ c,II/liq      288.4 K, $\Delta H = 11520 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 39.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ <b>Molecular Weight</b> 158.2437 <b>Wiswesser Line Notation</b> !X1&I&NO&UNX1&I&I <b>Evaluation</b> A	80BYS	$C_8H_{18}O$ (liq) 2-Methyl-1-heptanol <b>Heat Capacity</b> 298.5 K, $C_p = 313.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Temperature range 102 to 311 K. Value is unsmoothed experimental datum. <b>Molecular Weight</b> 130.2296 <b>Wiswesser Line Notation</b> Q1Y5&1 <b>Evaluation</b> C	31CLI/AND
$C_8H_{18}N_2O$ (c) Di-tert-butyliazene-N-oxide <b>Heat Capacity</b> 298.15 K,      Temperature range 290 to 310 K. <b>Phase Changes</b> c,II/liq      288.4 K liq/g      298.15 K, $\Delta H = 51702 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 173.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ <b>Molecular Weight</b> 158.2437 <b>Wiswesser Line Notation</b> !X1&I&NO&UNX1&I&I <b>Evaluation</b> A	81BYS	$C_8H_{18}O$ (liq) 5-Methyl-1-heptanol <b>Heat Capacity</b> 298.5 K, $C_p = 304.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Temperature range 102 to 298 K. Value is unsmoothed experimental datum. <b>Molecular Weight</b> 130.2296 <b>Wiswesser Line Notation</b> Q4Y2&1 <b>Evaluation</b> C	31CLI/AND
$C_8H_{18}N_2O_2$ (c) Bis-hydroxyethylpiperazine <b>Heat Capacity</b> 298 K,      Temperature range 293 to 311 K. <b>Phase Changes</b> c/liq      405 K, $\Delta H = 25900 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 64.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ liq/g      551 K <b>Molecular Weight</b> 174.2424 <b>Wiswesser Line Notation</b> T6N DNTJ A2Q D2Q <b>Evaluation</b> B $\Delta\Delta H$ sublimation = 104100 $\text{J}\cdot\text{mol}^{-1}$ , temperature range = 334 to 356 K.	84LEB/GUT	$C_8H_{18}O$ (liq) 6-Methyl-1-heptanol; Isooctyl alcohol <b>Heat Capacity</b> 303.15 K, $C_p = 327.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Temperature range 293.15 to 353.15 K. $C_p$ given as 2517 $\text{J}\cdot\text{kg}^{-1}\cdot\text{K}^{-1}$ . <b>Molecular Weight</b> 130.2296 <b>Wiswesser Line Notation</b> Q5Y1&1 <b>Evaluation</b> C	78RYB/EME
$C_8H_{18}O$ (liq) Di-tert-butyl ether; 2,2,4,4-Tetramethyl-3-oxapentane <b>Heat Capacity</b> 298.15 K. $C_p = 276.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ One temperature. <b>Molecular Weight</b> 130.2296 <b>Wiswesser Line Notation</b> !X1&I&OX1&I&I <b>Evaluation</b> B	75FEN/HAR	$C_8H_{18}O$ (liq) 1-Octanol; n-Octyl alcohol; Capryl alcohol <b>Heat Capacity</b> 298 K, $C_p = 324.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Temperature range 291 to 470 K. <b>Molecular Weight</b> 130.2296 <b>Wiswesser Line Notation</b> Q8 <b>Evaluation</b> D	1881REI
$C_8H_{18}O$ (liq) Di-n-butyl ether <b>Heat Capacity</b> 298.15 K, $C_p = 278.16 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ One temperature. Average of two measurements. <b>Molecular Weight</b> 130.2296 <b>Wiswesser Line Notation</b> 4O4 <b>Evaluation</b> B	87COB/CAS	$C_8H_{18}O$ (liq) 1-Octanol; n-Octyl alcohol; Capryl alcohol <b>Heat Capacity</b> 286.0 K, $C_p = 284.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Temperature range 102 to 286 K. Value is unsmoothed experimental datum. <b>Molecular Weight</b> 130.2296 <b>Wiswesser Line Notation</b> Q8 <b>Evaluation</b> C	31CLI/AND
$C_8H_{18}O$ (liq) Di-n-butyl ether <b>Heat Capacity</b> 298.15 K, $C_p = 278.16 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ One temperature. Average of two measurements. <b>Molecular Weight</b> 130.2296 <b>Wiswesser Line Notation</b> 4O4 <b>Evaluation</b> B	87COB/CAS	$C_8H_{18}O$ (liq) 1-Octanol; n-Octyl alcohol; Capryl alcohol <b>Heat Capacity</b> 298 K, $C_p = 312.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ One temperature. <b>Molecular Weight</b> 130.2296 <b>Wiswesser Line Notation</b> Q8 <b>Evaluation</b> C	59HUT/BAI

$C_8H_{18}O$ (liq)	79GRI/YAN	$C_8H_{18}O$ (liq)	31CLI/ANI
1-Octanol; n-Octyl alcohol; Capryl alcohol		5-Methyl-2-heptanol	
<b>Heat Capacity</b> 310.67 K, $C_p=318.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 298.5 K, $C_p=296.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 310 to 452 K. p=0.98 bar.		Temperature range 102 to 298 K. Value is unsmoothed experimental datum.	
<b>Molecular Weight</b> 130.2296		<b>Molecular Weight</b> 130.2296	
<b>Wiswesser Line Notation</b> Q8		<b>Wiswesser Line Notation</b> QY1&2Y2&1	
<b>Evaluation</b> B		<b>Evaluation</b> C	
$C_8H_{18}O$ (liq)	84ZEG/SOM	$C_8H_{18}O$ (liq)	31CLI/ANI
1-Octanol; n-Octyl alcohol; Capryl alcohol		6-Methyl-2-heptanol	
<b>Heat Capacity</b> 298.15 K, $C_p=305.55 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 298.5 K, $C_p=315.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
One temperature.		Temperature range 102 to 298 K. Value is unsmoothed experimental datum.	
<b>Molecular Weight</b> 130.2296		<b>Molecular Weight</b> 130.2296	
<b>Wiswesser Line Notation</b> Q8		<b>Wiswesser Line Notation</b> QY1&3Y1&1	
<b>Evaluation</b> C		<b>Evaluation</b> C	
$C_8H_{18}O$ (liq)	86NAZ/BAS2	$C_8H_{18}O$ (liq)	31CLI/ANI
1-Octanol; n-Octyl alcohol; Capryl alcohol		3-Methyl-2-heptanol	
<b>Heat Capacity</b> 303.2 K, $C_p=329.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 298.5 K, $C_p=297.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 303.2 to 448 K. p=0.1 MPa. Unsmoothed experimental datum given as 2.53 kJ/kg·K.		Temperature range 102 to 298 K. Value is unsmoothed experimental datum.	
<b>Molecular Weight</b> 130.2296		<b>Molecular Weight</b> 130.2296	
<b>Wiswesser Line Notation</b> Q8		<b>Wiswesser Line Notation</b> QY1&Y4&1	
<b>Evaluation</b> B		<b>Evaluation</b> C	
$C_8H_{18}O$ (liq)	89VES/BAR	$C_8H_{18}O$ (liq)	31CLI/ANI
1-Octanol; n-Octyl alcohol; Capryl alcohol		6-Methyl-3-heptanol	
<b>Heat Capacity</b> 298.15 K, $C_p=304.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 298.5 K, $C_p=310.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 298.15 to 318.15 K.		Temperature range 102 to 323 K. Value is unsmoothed experimental datum.	
<b>Molecular Weight</b> 130.2296		<b>Molecular Weight</b> 130.2296	
<b>Wiswesser Line Notation</b> Q8		<b>Wiswesser Line Notation</b> QY2&2Y1&1	
<b>Evaluation</b> A		<b>Evaluation</b> C	
$C_8H_{18}O$ (liq)	31CLI/AND	$C_8H_{18}O$ (liq)	31CLI/ANI
4-Methyl-4-heptanol		4-Methyl-3-heptanol	
<b>Heat Capacity</b> 298.5 K, $C_p=367.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 298.5 K, $C_p=309.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 102 to 298 K. Value is unsmoothed experimental datum.		Temperature range 102 to 298 K. Value is unsmoothed experimental datum.	
<b>Molecular Weight</b> 130.2296		<b>Molecular Weight</b> 130.2296	
<b>Wiswesser Line Notation</b> QX3&3&1		<b>Wiswesser Line Notation</b> QY2&Y3&1	
<b>Evaluation</b> C		<b>Evaluation</b> C	
$C_8H_{18}O$ (liq)	31CLI/AND	$C_8H_{18}O$ (liq)	31CLI/ANI
2-Methyl-2-heptanol		2-Methyl-4-heptanol	
<b>Heat Capacity</b> 298.5 K, $C_p=337.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 298.5 K, $C_p=331.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 102 to 311 K. Value is unsmoothed experimental datum.		Temperature range 102 to 298 K. Value is unsmoothed experimental datum.	
<b>Molecular Weight</b> 130.2296		<b>Molecular Weight</b> 130.2296	
<b>Wiswesser Line Notation</b> QX5&1&1		<b>Wiswesser Line Notation</b> QY3&1Y1&1	
<b>Evaluation</b> C		<b>Evaluation</b> C	
$C_8H_{18}O$ (liq)	31CLI/AND	$C_8H_{18}O$ (liq)	31CLI/ANI
4-Methyl-2-heptanol		4-Octanol	
<b>Heat Capacity</b> 298.5 K, $C_p=312.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 298.5 K, $C_p=337.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 102 to 298 K. Value is unsmoothed experimental datum.		Temperature range 102 to 311 K. Value is unsmoothed experimental datum.	
<b>Molecular Weight</b> 130.2296		<b>Molecular Weight</b> 130.2296	
<b>Wiswesser Line Notation</b> QY1&1Y3&1		<b>Wiswesser Line Notation</b> QY4&3	
<b>Evaluation</b> C		<b>Evaluation</b> C	

<b>C<sub>8</sub>H<sub>18</sub>O</b> (liq)	31CLI/AND	<b>C<sub>8</sub>H<sub>18</sub>O<sub>4</sub></b> (liq)	91TRE/COS
3-Octanol		2,5,8,11-Tetraoxadodecane; Triglyme	
<b>Heat Capacity</b> 298.5 K, $C_p=338.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K, $C_p=367.78 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 102 to 298 K. Value is unsmoothed experimental datum.		One temperature.	
<b>Molecular Weight</b> 130.2296		<b>Molecular Weight</b> 178.2278	
<b>Wiswesser Line Notation</b> QY5&2		<b>Wiswesser Line Notation</b> 1O2O2O2O1	
<b>Evaluation</b> C		<b>Evaluation</b> B	
<b>C<sub>8</sub>H<sub>18</sub>O</b> (liq)	31CLI/AND	<b>C<sub>8</sub>H<sub>18</sub>O<sub>5</sub></b> (liq)	79STE/TAM
2-Octanol		Tetraethylene glycol; 1,11-Dihydroxy-3,6,9-trioxaundecane	
<b>Heat Capacity</b> 298.5 K, $C_p=330.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 298 K, $C_p=419.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 102 to 298 K. Value is unsmoothed experimental datum.		Temperature range 273 to 533 K.	
<b>Molecular Weight</b> 130.2296		<b>Molecular Weight</b> 194.2272	
<b>Wiswesser Line Notation</b> QY6&1		<b>Wiswesser Line Notation</b> Q2O2O2O2Q	
<b>Evaluation</b> C		<b>Evaluation</b> B	
<b>C<sub>8</sub>H<sub>18</sub>O<sub>2</sub></b> (liq)	93GIM/AUD	<b>C<sub>8</sub>H<sub>18</sub>O<sub>5</sub></b> (liq)	82ZAR
Di-tert-butyl peroxide		Tetraethylene glycol; 1,11-Dihydroxy-3,6,9-trioxaundecane	
<b>Heat Capacity</b>		<b>Heat Capacity</b> 298 K, $C_p=428.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 293 to 353 K. $C_p(\text{liq})=1.20+2.77e^{-3}T(\text{K}) \text{ J/K}\cdot\text{g}$ (20 to 80 °C).		Temperature range 298, 323, 363 K.	
<b>Molecular Weight</b> 146.2290		<b>Molecular Weight</b> 194.2272	
<b>Wiswesser Line Notation</b> 1X1&1&OO1X1&1		<b>Wiswesser Line Notation</b> Q2O2O2O2Q	
<b>Evaluation</b> B		<b>Evaluation</b> B	
<b>C<sub>8</sub>H<sub>18</sub>O<sub>2</sub></b> (liq)	73KUS/SUU	<b>C<sub>8</sub>H<sub>18</sub>S</b> (liq)	61MCC/FIN
4,7-Dioxadecane; 1,2-Di-n-propoxyethane		5-Thianonane; Di-n-butyl sulfide	
<b>Heat Capacity</b> 298.15 K, $C_p=309.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K, $C_p=284.34 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
One temperature.		Temperature range 11 to 370 K.	
<b>Molecular Weight</b> 146.2290		<b>Entropy</b> 298.15 K, $S=405.09 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Wiswesser Line Notation</b> 3O2O3		<b>Phase Changes</b>	
<b>Evaluation</b> B		c/liq 198.13 K, $\Delta H=19426 \text{ J}\cdot\text{mol}^{-1}$	
		$\Delta S=98.05 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>C<sub>8</sub>H<sub>18</sub>O<sub>3</sub></b> (liq)	78ROU/PER2	<b>Molecular Weight</b> 146.2902	
3,6,9-Trioxaundecane; Bis(2-ethoxyethyl) ether		<b>Wiswesser Line Notation</b> 4S4	
<b>Heat Capacity</b> 298.1 K, $C_p=347.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Evaluation</b> A	
Temperature range 283 to 313 K.		<b>C<sub>8</sub>H<sub>18</sub>S</b> (liq)	82TUT/GAB
<b>Molecular Weight</b> 162.2284		1-Octanethiol; n-Octyl mercaptan	
<b>Wiswesser Line Notation</b> 2O2O2O2		<b>Heat Capacity</b> 300 K, $C_p=300.24 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Evaluation</b> B		Temperature range 273 to 373 K. $C_p=282.50+3.340\times 10^{-2}T + 8.582\times 10^{-5}T^2$	
<b>C<sub>8</sub>H<sub>18</sub>O<sub>3</sub></b> (liq)	87COB/CAS	<b>Molecular Weight</b> 146.2902	
2-(2-Butoxyethoxy)ethanol		<b>Wiswesser Line Notation</b> SH8	
<b>Heat Capacity</b> 298.15 K, $C_p=354.89 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Evaluation</b> C	
One temperature. Average of two measurements.		<b>C<sub>8</sub>H<sub>19</sub>Al</b> (liq)	91SHE/RAB
<b>Molecular Weight</b> 162.2284		Diisobutylaluminum hydride	
<b>Wiswesser Line Notation</b> Q2O2O4		<b>Heat Capacity</b> 298.15 K, $C_p=321.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Evaluation</b> B		Temperature range 5 to 303 K.	
<b>C<sub>8</sub>H<sub>18</sub>O<sub>4</sub></b> (liq)	66BEA/CLE	<b>Entropy</b> 298.15 K, $S=347.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
2,5,8,11-Tetraoxadodecane; Triglyme		<b>Molecular Weight</b> 142.2196	
<b>Heat Capacity</b> 298.15 K, $C_p=368.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Wiswesser Line Notation</b> 1Y1&1-ALH-1Y1&1	
Temperature range 90 to 350 K.		<b>Evaluation</b> A	
<b>Entropy</b> 298.15 K, $S=492.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		T(glass)=144.5 K.	
Extrapolation below 90 K. $103.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>C<sub>8</sub>H<sub>19</sub>Cl<sub>2</sub>NSiZn</b> (liq)	76EV/S/LEB
<b>Phase Changes</b>		N-(β-Trimethylsilyl)azetidine, zinc chloride complex	
c/liq 229.3 K, $\Delta H=23715 \text{ J}\cdot\text{mol}^{-1}$		<b>Heat Capacity</b> 298.15 K, $C_p=607.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
$\Delta S=103.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		Temperature range 60 to 300 K. Deposited in VINITI, No. 3824-75, 26 December 1975.	
<b>Molecular Weight</b> 178.2278		<b>Entropy</b> 298.15 K, $S=575.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Wiswesser Line Notation</b> 1O2O2O2O1		<b>Molecular Weight</b> 312.7758	
<b>Evaluation</b> A( $C_p$ ).C(S)		<b>Wiswesser Line Notation</b> T4NTJ A2-SI-1&1&1 &ZN..G2	
		Complex assumed 1:1.	

$(C_8H_{19}Cl_2NSiZn)_n$ (liq)	76EVS/LEB	$C_8H_{20}BrN$ (c)	74BUR/VER
Poly-N-( $\beta$ -trimethylsilylethyl)azetidine, zinc chloride complex		Tetraethylammonium bromide	
<b>Heat Capacity</b> 298.15 K, $C_p = 568.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 298 K,	$C_p = 246.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 60 to 300 K. Deposited in VINITI, No. 3824-75, 26 December 1975.		Temperature range 273 to 373 K.	
<b>Entropy</b> 298.15 K, $S = 542.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Phase Changes</b>	
<b>Molecular Weight</b> 312.7758		c/liq 447 K,	$\Delta H = 20300 \text{ J}\cdot\text{mol}^{-1}$
Wiswesser Line Notation /*3N*2-SI-1&1&1 &.ZN.G2/			$\Delta S = 45 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Evaluation</b> B		<b>Molecular Weight</b> 210.1567	
Complex assumed 1:1.		Wiswesser Line Notation 2K2&2&2 E	
 		<b>Evaluation</b> B	
$C_8H_{19}N$ (liq)	01KAH	$C_8H_{20}Br_4FeN$ (c)	88NAV/PUE
Diisobutyl amine		Tetraethylammonium tetrabromoferrate	
<b>Heat Capacity</b> $C_p = 129.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K,	$C_p = 369.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 294.15 to 403.15 K. Heat capacity is an average value over the temperature range.		Temperature range 50 to 300 K.	
<b>Molecular Weight</b> 129.2448		<b>Entropy</b> 298.15 K,	$S = 415.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Wiswesser Line Notation 2YMY2		<b>Phase Changes</b>	
<b>Evaluation</b> D		c,II/c,I 236.1 K,	$\Delta H = 2428 \text{ J}\cdot\text{mol}^{-1}$
 			$\Delta S = 10.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
 		<b>Molecular Weight</b> 505.7157	
$C_8H_{19}N$ (liq)	93STE/CHI2	Wiswesser Line Notation 2K2&2&2 .FE G4	
n-Octylamine		<b>Evaluation</b> A	
<b>Heat Capacity</b> 298.15 K, $C_p = 309.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
One temperature.			
<b>Molecular Weight</b> 129.2448			
Wiswesser Line Notation Z8			
<b>Evaluation</b> A			
$C_8H_{19}NSi$ (liq)	75LEB/RAB	$C_8H_{20}Cl_4FeN$ (c)	88NAV/PUE
N-( $\beta$ -Trimethylsilylethyl)trimethylenimine		Tetraethylammonium tetrachloroferrate	
<b>Heat Capacity</b> 298.15 K, $C_p = 304.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K,	$C_p = 374.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 7 to 305 K.		Temperature range 1.4 to 300 K.	
<b>Entropy</b> 298.15 K, $S = 398.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Entropy</b> 298.15 K,	$S = 490.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Phase Changes</b>		<b>Phase Changes</b>	
c/liq 199.43 K, $\Delta H = 12900 \text{ J}\cdot\text{mol}^{-1}$		c,V/c,IV 2.93 K	
		Neel point, lambda transition.	
		c,IV/c,III 234.7 K, $\Delta H = 2203 \text{ J}\cdot\text{mol}^{-1}$	
			$\Delta S = 8.06 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b> 157.3303		c,III/c,II 217.5 K, $\Delta H = 2295 \text{ J}\cdot\text{mol}^{-1}$	
Wiswesser Line Notation T4NTJ A2-SI-1&1&1		c,II/c,I 226.6 K, $\Delta S = 11.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Evaluation</b> A			
T(glass)=126.7 K.			
$C_8H_{19}NSi$ (liq)	77LEB/RAB5	 	
N-( $\beta$ -Trimethylsilylethyl)trimethylenimine		$C_8H_{20}Ge$ (liq)	54STA/WAR
<b>Heat Capacity</b> 298.15 K, $C_p = 304.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		Tetraethylgermane; Germanium tetraethyl	
Temperature range 7 to 305 K.		<b>Phase Changes</b>	
<b>Entropy</b> 298.15 K, $S = 398.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		c/liq 180.47 K, $\Delta H = 12406 \text{ J}\cdot\text{mol}^{-1}$	
<b>Phase Changes</b>			$\Delta S = 68.74 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c/liq 199.43 K, $\Delta H = 12900 \text{ J}\cdot\text{mol}^{-1}$		<b>Molecular Weight</b> 188.8360	
		Wiswesser Line Notation 2-GE-2&2&2	
		<b>Evaluation</b> B	
<b>Molecular Weight</b> 157.3303			
Wiswesser Line Notation T4NTJ A2-SI-1&1&1			
<b>Evaluation</b> A			
T(glass)=126.7 K.			
$(C_8H_{19}NSi)_n$ (liq)	76LEB/EVS	$C_8H_{20}Ge$ (liq)	72MAS/RAB
Poly-N-( $\beta$ -trimethylsilylethyl)azetidine		Tetraethylgermane; Germanium tetraethyl	
<b>Heat Capacity</b> 298 K, $C_p = 318.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K, $C_p = 309.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 65 to 305 K. Deposited in VINITI, No. 3786-75, 26 December 1975.		Temperature range 60 to 300 K.	
<b>Entropy</b> 298 K, $S = 315.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Phase Changes</b>	
<b>Molecular Weight</b> 157.3303		c/liq 180.3 K, $\Delta H = 12615 \text{ J}\cdot\text{mol}^{-1}$	
Wiswesser Line Notation /*3N*2-SI-1&1&1/			$\Delta S = 70.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Evaluation</b> B		<b>Molecular Weight</b> 188.8360	
T(glass)=204.0 K.		Wiswesser Line Notation 2-GE-2&2&2	
		<b>Evaluation</b> B	

<b>C<sub>8</sub>H<sub>20</sub>Ge</b> (liq)		85RAB/SHE	<b>C<sub>8</sub>H<sub>20</sub>O<sub>4</sub>Si</b> (liq)		92VAN/COR
Tetraethylgermane; Germanium tetraethyl			Tetraethyl silicate; Ethyl silicate		
<b>Heat Capacity</b> 298.15 K,	$C_p = 294.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K,	$C_p = 364.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 8 to 300 K.			Temperature range 10 to 440 K. $C_p/R(\text{liq}) = 2.49615 \times 10^5 (T/K)^{-2} + 70.8549 \times 10^{-3} + 19.9007$ (193 to 362 K), where R=8.3144 J/K·mol.		
<b>Entropy</b> 298.15 K,	$S = 428.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Entropy</b> 298.15 K,	$S = 533.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Phase Changes</b>			<b>Phase Changes</b>		
c/liq	179.99 K,	$\Delta H = 12312 \text{ J} \cdot \text{mol}^{-1}$	c,II/c,I	187.72 K,	$\Delta H = 13200 \text{ J} \cdot \text{mol}^{-1}$
		$\Delta S = 68.00 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	c,I/liq	190.97 K,	$\Delta S = 70.32 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b> 188.8360					$\Delta H = 11140 \text{ J} \cdot \text{mol}^{-1}$
<b>Wiswesser Line Notation</b> 2-GE-2&2&2					$\Delta S = 58.33 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Evaluation</b> A					
<b>C<sub>8</sub>H<sub>20</sub>JN</b> (c)		73JOH/MAR	<b>Molecular Weight</b> 208.3291		
Tetraethylammonium iodide			<b>Wiswesser Line Notation</b> 2O-SI-O2&O2&O2		
<b>Heat Capacity</b> 298.15 K,	$C_p = 254.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Evaluation</b> A		
Temperature range 12 to 310 K.					
<b>Entropy</b> 298.15 K,	$S = 311.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$				
<b>Molecular Weight</b> 257.1572					
<b>Wiswesser Line Notation</b> 2 K2&2&2 &I					
<b>Evaluation</b> A					
<b>C<sub>8</sub>H<sub>20</sub>IN</b> (c)		88NAG/SAK	<b>C<sub>8</sub>H<sub>20</sub>Pb</b> (liq)		54STA/WAR
Tetraethylammonium iodide			Tetraethyl lead		
<b>Heat Capacity</b> 298.15 K,	$C_p = 251 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Phase Changes</b>		
One temperature.			c/liq	142.94 K,	$\Delta H = 8791 \text{ J} \cdot \text{mol}^{-1}$
<b>Molecular Weight</b> 257.1572					$\Delta S = 61.50 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b> 2K2&2&2 &I					
<b>Evaluation</b> B			<b>Molecular Weight</b> 323.4460		
<b>C<sub>8</sub>H<sub>20</sub>N<sub>4</sub></b> (liq)		88BOB/KAM	<b>Wiswesser Line Notation</b> 2-PB-2&2&2		
N [(2 Aminoethyl)2 aminoethyl]piperazine			<b>Evaluation</b> B		
<b>Heat Capacity</b> 333 K,	$C_p = 391 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$				
Temperature range 333 to 473 K.					
<b>Molecular Weight</b> 172.2728					
<b>Wiswesser Line Notation</b> T6M DNTJ D2M2Z					
<b>Evaluation</b> D					
<b>C<sub>8</sub>H<sub>20</sub>N<sub>4</sub></b> (liq)		88BOB/KAM	<b>C<sub>8</sub>H<sub>20</sub>Pb</b> (liq)		56SCO/GOO
N,N'-Di-(2-aminoethyl)piperazine			Tetraethyl lead		
<b>Heat Capacity</b> 333 K,	$C_p = 407 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K,	$C_p = 310.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 333 to 473 K.			One temperature.		
<b>Molecular Weight</b> 172.2728			<b>Molecular Weight</b> 323.4460		
<b>Wiswesser Line Notation</b> T6N DNTJ A2Z D2Z			<b>Wiswesser Line Notation</b> 2-PB-2&2&2		
<b>Evaluation</b> D			<b>Evaluation</b> B		
<b>C<sub>8</sub>H<sub>20</sub>O<sub>4</sub>Si</b> (liq)		85NKI/CHA	<b>C<sub>8</sub>H<sub>20</sub>Pb</b> (liq)		89RAB/NIS2
Tetraethyl silicate; Ethyl silicate			Tetraethyl lead		
<b>Heat Capacity</b> 298.15 K,	$C_p = 352.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K,	$C_p = 307.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
One temperature.			Temperature range 5 to 315 K.		
<b>Molecular Weight</b> 208.3291			<b>Entropy</b> 298.15 K,	$S = 464.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Wiswesser Line Notation</b> 2O-SI-O2&O2&O2			<b>Phase Changes</b>		
<b>Evaluation</b> B			c,III/liq	90.8 K	Glass/supercooled liquid transition.
			c,II/liq	141.4 K,	$\Delta H = 9110 \text{ J} \cdot \text{mol}^{-1}$
			c,I/liq	139.41 K,	$\Delta S = 64.43 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
					$\Delta H = 9091 \text{ J} \cdot \text{mol}^{-1}$
					$\Delta S = 65.21 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b> 323.4460					
<b>Wiswesser Line Notation</b> 2-PB-2&2&2					
<b>Evaluation</b> A					
<b>C<sub>8</sub>H<sub>20</sub>Si</b> (liq)			<b>C<sub>8</sub>H<sub>20</sub>Si</b> (liq)		54STA/WAR
Tetraethyl silicon; Tetraethylsilane			Tetraethyl silicon		
<b>Phase Changes</b>			<b>Phase Changes</b>		
c/liq	189.36 K,	$\Delta H = 13012 \text{ J} \cdot \text{mol}^{-1}$	c/liq		
		$\Delta S = 68.70 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
<b>Molecular Weight</b> 144.3315					
<b>Wiswesser Line Notation</b> 2-SI-2&2&2					
<b>Evaluation</b> B					

<b>C<sub>8</sub>H<sub>20</sub>Si</b> (liq)		72MAS/RAB	<b>C<sub>8</sub>H<sub>24</sub>Ag<sub>13</sub>I<sub>15</sub>N<sub>2</sub></b> (c)	85LIN/ARM
Tetraethyl silicon; Tetraethylsilane			Bis-(tetramethylammonium iodide) tridecasilver iodide	
<b>Heat Capacity</b>	298.15 K,	$C_p = 298.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	$C_p = 1076 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 60 to 300 K.			Temperature range 79 to 283 K. Unsmoothed experimental datum.	
<b>Phase Changes</b>			<b>Phase Changes</b>	
c/liq	190.6 K,	$\Delta H = 13410 \text{ J} \cdot \text{mol}^{-1}$	c,II/c,I	150 K,
		$\Delta S = 70.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b>	3454.1425
<b>Molecular Weight</b>	144.3315		<b>Wiswesser Line Notation</b>	2-SI-2&2&2
<b>Wiswesser Line Notation</b>	2-SI-2&2&2		<b>Evaluation</b>	A
<b>Evaluation</b>	B			
<b>C<sub>8</sub>H<sub>20</sub>Si</b> (liq)		92STE/CHI	<b>C<sub>8</sub>H<sub>24</sub>Br<sub>4</sub>CuN</b> (c)	89LOP/RUI
Tetraethyl silicon; Tetraethylsilane			Bis-(tetramethylammonium) tetrabromo cuprate	
<b>Heat Capacity</b>	298.15 K,	$C_p = 297.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	
Temperature range 315 to 595 K.			Temperature range 60 to 343 K. Data given graphically.	
<b>Molecular Weight</b>	144.3315		<b>Phase Changes</b>	
<b>Wiswesser Line Notation</b>	2-SI-2&2&2		c,IV/c,III	242.8 K,
<b>Evaluation</b>	A		$\Delta H = 1538 \text{ J} \cdot \text{mol}^{-1}$	$\Delta S = 5.82 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
 			c,III/c,II	249.35 K,
<b>C<sub>8</sub>H<sub>20</sub>Sn</b> (liq)		54STA/WAR	$\Delta H = 9.56 \text{ J} \cdot \text{mol}^{-1}$	$\Delta S = 0.033 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Tetraethyl tin			c,II/c,I	270.70 K,
<b>Phase Changes</b>			$\Delta H = 3742 \text{ J} \cdot \text{mol}^{-1}$	$\Delta S = 15.46 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c/liq	142.14 K,	$\Delta H = 9146 \text{ J} \cdot \text{mol}^{-1}$	<b>Molecular Weight</b>	517.4463
		$\Delta S = 64.35 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Wiswesser Line Notation</b>	1K1&1&1&1 2 .CU E4
<b>Molecular Weight</b>	234.9360		<b>Evaluation</b>	A
<b>Wiswesser Line Notation</b>	2-SN-2&2&2			
<b>Evaluation</b>	B			
<b>C<sub>8</sub>H<sub>20</sub>Sn</b> (liq)		72MAS/RAB	<b>C<sub>8</sub>H<sub>24</sub>Br<sub>4</sub>N<sub>2</sub>Zn</b> (c)	92IGA/RUI
Tetraethyl tin			Tetramethylammonium tetrabromozincate(II)	
<b>Heat Capacity</b>	298.15 K,	$C_p = 301.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	$C_p = 453.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 60 to 300 K.			Temperature range 170 to 370 K. Unsmoothed experimental datum.	
<b>Phase Changes</b>			<b>Phase Changes</b>	
c,II/c,I	121.4 K,	$\Delta H = -1090 \text{ J} \cdot \text{mol}^{-1}$	c,II/c,I	287.20 K,
Metastable transition.			$\Delta H = 4074 \text{ J} \cdot \text{mol}^{-1}$	$\Delta S = 16.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c,I/liq	141.9 K,	$\Delta H = 8929 \text{ J} \cdot \text{mol}^{-1}$	<b>Molecular Weight</b>	533.2870
		$\Delta S = 62.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Wiswesser Line Notation</b>	1K1&1&1 -ZN- E4
<b>Molecular Weight</b>	234.9360		<b>Evaluation</b>	B
<b>Wiswesser Line Notation</b>	2-SN-2&2&2			
<b>Evaluation</b>	B			
<b>C<sub>8</sub>H<sub>20</sub>TeZn</b> (liq)		91LEB/KUL	<b>C<sub>8</sub>H<sub>24</sub>CdI<sub>4</sub>N<sub>2</sub></b> (c)	91KAL/BOR
Diethylzinc diethyltellurium complex			Bis-(tetramethylammonium) tetraiodocadmate	
<b>Heat Capacity</b>	298.15 K,	$C_p = 399.01 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	$C_p = 453.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 13 to 306 K.			Temperature range 60 to 350 K. Data given graphically. $C_p$ datum is graphical estimate.	
<b>Entropy</b>	298.15 K,	$S = 556.98 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Phase Changes</b>	
<b>Phase Changes</b>			c,II/c,I	233 K,
c,II/c,I	120.0 K,	$\Delta H = 165.3 \text{ J} \cdot \text{mol}^{-1}$	$\Delta H = 1950 \text{ J} \cdot \text{mol}^{-1}$	$\Delta S = 8.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
		$\Delta S = 1.37 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b>	7683190
Temperature range 108 to 120 K.			<b>Wiswesser Line Notation</b>	1K1&1&1 2 -CD- I4
c,I/liq	187.90 K,	$\Delta H = 16496 \text{ J} \cdot \text{mol}^{-1}$	<b>Evaluation</b>	B
		$\Delta S = 87.80 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
<b>Molecular Weight</b>	299.1470			
<b>Wiswesser Line Notation</b>	2-ZN-2 &2-TE-2			
<b>Evaluation</b>	A			
<b>C<sub>8</sub>H<sub>23</sub>N<sub>5</sub></b> (liq)		88BOB/KAM	<b>C<sub>8</sub>H<sub>24</sub>Cl<sub>4</sub>FeN<sub>2</sub></b> (c)	88RUI/LOP
Tetraethylenepentamine			Bis-(tetramethylammonium) tetrachloroferrate	
<b>Heat Capacity</b>	333 K,	$C_p = 460 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	$C_p = 424 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 333 to 513 K.			Temperature range 60 to 350 K. Data given graphically. $C_p$ datum is graphical estimate.	
<b>Molecular Weight</b>	189.3032		<b>Phase Changes</b>	
<b>Wiswesser Line Notation</b>	Z2M2M2M2Z		c,IV/c,III	240.0 K,
<b>Evaluation</b>	D		$\Delta H = 859.6 \text{ J} \cdot \text{mol}^{-1}$	$\Delta S = 3.68 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
			c,III/c,II	266.8 K,
			$\Delta H = 238.5 \text{ J} \cdot \text{mol}^{-1}$	$\Delta S = 0.90 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
			c,II/c,I	281.0 K,
			$\Delta H = 2179.9 \text{ J} \cdot \text{mol}^{-1}$	$\Delta S = 8.34 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	345.9500		<b>Molecular Weight</b>	345.9500
<b>Wiswesser Line Notation</b>	1K1&1&1 2 -FE- G4		<b>Wiswesser Line Notation</b>	1K1&1&1 2 -FE- G4
<b>Evaluation</b>	B		<b>Evaluation</b>	B

$C_8H_{24}Cl_4MnN_2$ (c)		75BOC/ARR	$C_8H_{24}O_4Si_4$ (liq)		81MEK/KAR
Tetrachlorobis(butylammonium) manganate			Octamethylcyclotetrasiloxane		
<b>Phase Changes</b>			<b>Heat Capacity</b>	298.15 K,	$C_p=509.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c,II/c,I	371 K,	$\Delta H=2.4 \text{ J}\cdot\text{mol}^{-1}$	Temperature range	13 to 390 K.	Data given graphically.
		$\Delta S=0.007 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Entropy</b>	298.15 K,	$S=623.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b>	345.0410		<b>Phase Changes</b>		
Wiswesser Line Notation	4ZH 2 -MN- G4		c/liq	290.25 K,	$\Delta H=23765 \text{ J}\cdot\text{mol}^{-1}$
Evaluation	A				$\Delta S=81.80 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
 			<b>Molecular Weight</b>	296.6172	
$C_8H_{24}Cl_4MnN_2$ (c)		88ZUB/LOP	Wiswesser Line Notation	T8-SI-O-SI-O-SI-O-SI-OTJ A1 A1 C1 C1	
Bis-(tetramethylammonium) tetrachloromanganate			E1 E1 G1 G1		
<b>Heat Capacity</b>	300 K,	$C_p=424 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Evaluation</b>	A	
Temperature range	50 to 330 K.	Data given graphically and estimated from graph.			
<b>Phase Changes</b>			 		
c,V/c,IV	175.63 K,	$\Delta H=308 \text{ J}\cdot\text{mol}^{-1}$	$C_8H_{28}N_4Si_4$ (c)		81MEK/KAR
		$\Delta S=1.75 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	Octamethylcyclotetrasilazane		
c,IV/c,III	268.65 K,	$\Delta H=233 \text{ J}\cdot\text{mol}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p=570 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
		$\Delta S=0.83 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	Temperature range	13 to 390 K.	Data given graphically.
c,III/c,II	292.3 K,	$\Delta H=5.8 \text{ J}\cdot\text{mol}^{-1}$	<b>Entropy</b>	298.15 K,	$S=599.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
		$\Delta S=0.02 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Phase Changes</b>		
c,II/c,I	292.6 K,	$\Delta H=2079 \text{ J}\cdot\text{mol}^{-1}$	c/liq	367.67 K,	$\Delta H=25050 \text{ J}\cdot\text{mol}^{-1}$
		$\Delta S=7.98 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			$\Delta S=66.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b>	345.0410		<b>Molecular Weight</b>	292.6780	
Wiswesser Line Notation	1K1&1&1 2 -MN- G4		Wiswesser Line Notation	T8-SI-M-SI-M-SI-M-SI-MTJ A1 A1 C1 C1	
Evaluation	A		E1 E1 G1 G1		
 			<b>Evaluation</b>	A	
$C_8H_{24}Cl_4N_2Zn$ (c)		90STR/TAR	 		
Bis-(tetramethylammonium) tetrachlorozincate			$C_9Fe_2O_9$ (c)		89SEL/SHE
<b>Heat Capacity</b>	300 K,	$C_p=424 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	Nonadecacarbonyl diiron		
Temperature range	80 to 360 K.	Data given graphically. $C_p$ value estimated from baseline of graph.	<b>Heat Capacity</b>	298.15 K,	$C_p=373.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Phase Changes</b>			Temperature range	7 to 300 K.	
c,IX/c,VII	159 K,	$\Delta H=448 \text{ J}\cdot\text{mol}^{-1}$	<b>Entropy</b>	298.15 K,	$S=451.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
		$\Delta S=2.82 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Molecular Weight</b>	363.7876	
c,VIII/c,VII	165 K,	$\Delta H=80 \text{ J}\cdot\text{mol}^{-1}$	Wiswesser Line Notation	CO 9.FE	
		$\Delta S=0.48 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Evaluation</b>	A	
c,VII/c,VI	177.75 K,	$\Delta H=180 \text{ J}\cdot\text{mol}^{-1}$	 		
		$\Delta S=1.02 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	$C_9H_4O_5$ (c)		78MAR/CIO2
c,VI/c,V	276.95 K,	$\Delta H=145 \text{ J}\cdot\text{mol}^{-1}$	Trimellitic anhydride		
		$\Delta S=0.52 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p=248.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c,V/c,IV	281.0 K,	$\Delta H=132 \text{ J}\cdot\text{mol}^{-1}$	Temperature range	298 to 540 K.	
		$\Delta S=0.47 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Phase Changes</b>		
<b>Molecular Weight</b>	355.4830		c/liq	385 K,	$\Delta H=10464 \text{ J}\cdot\text{mol}^{-1}$
Wiswesser Line Notation	1K1&1&1 2 -ZN- G4				$\Delta S=27.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Evaluation	A(transitions)		<b>Molecular Weight</b>	192.1276	
	c,IV/c,III 296.6 168 0.56; c,III/c,II 325.95 192 0.59; c,II/c,I 328.95 235 0.73.		Wiswesser Line Notation	T56 BVQV1 GVQ	
 			<b>Evaluation</b>	D	
$C_8H_{24}O_4Si_4$ (liq)		75MEK/KAR2	 		
Octamethylcyclotetrasiloxane			$C_9H_6CrO_2S$ (c)		81CHII/POM
<b>Heat Capacity</b>			Benzene chromium dicarbonyl thiocarbonyl		
Temperature range	13 to 310 K.		<b>Heat Capacity</b>	298.15 K,	$C_p=226.66 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Entropy</b>	298.15 K,	$S=623.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	Temperature range	5 to 300 K.	
<b>Phase Changes</b>			<b>Entropy</b>	298.15 K,	$S=292.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c,II/c,I	253–258 K,	$\Delta H=4866 \text{ J}\cdot\text{mol}^{-1}$	<b>Molecular Weight</b>	230.2012	
c,I/liq	290.55 K,	$\Delta H=23765 \text{ J}\cdot\text{mol}^{-1}$	Wiswesser Line Notation	L6φJ φ-CR- CO 2 &CS	
		$\Delta S=81.80 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Evaluation</b>	A	
<b>Molecular Weight</b>	296.6172		 		
Wiswesser Line Notation	T8-SI-O-SI-O-SI-O-SI-OTJ A1 A1 C1 C1		$C_9H_6CrO_3$ (c)		78POM/CHH
E1 E1 G1 G1			Benzene chromium tricarbonyl		
Evaluation	A		<b>Heat Capacity</b>	298.15 K,	$C_p=151.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
			Temperature range	120 to 300 K.	Data given graphically.
			$C_p=38.17+2.37\times 10^{-1}T+3.77\times 10^{-4}T^2+3.38\times 10^{-7}T^3$ J·mol⁻¹·K⁻¹ (120 to 300 K).	$C_p$ value calculated from equation.	
			<b>Molecular Weight</b>	214.1406	
			Wiswesser Line Notation	L6φJ φ-CR- CO 3	
			<b>Evaluation</b>	C	

$C_9H_6CrO_3$ (c)		81CHH/POM	$C_9H_7N$ (liq)	34KOL/UD
Benzene chromium tricarbonyl			Quinoline	
<b>Heat Capacity</b>	298.15 K, Temperature range 5 to 300 K.	$C_p = 238.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	302.5 K, $C_p = 192.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Entropy</b>	298.15 K,	$S = 267.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b>	129.1610
<b>Molecular Weight</b>	214.1406		<b>Wiswesser Line Notation</b>	T66 BNJ
<b>Wiswesser Line Notation</b>	L6φJ φ-CR- CO 3		<b>Evaluation</b>	C
<b>Evaluation</b>	A			
	$C_p$ data does not agree with earlier work reported in 78POM/CHH.			
$C_9H_6N_2O_2$ (liq)		62STR/BAR	$C_9H_7N$ (liq)	34KOL/UDC
2,4-Tolylenediisocyanate; 1-Methyl-2,4-diisocyanatobenzene			Quinoline	
<b>Heat Capacity</b>	298 K,	$C_p = 287.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	302.4 K, One temperature.
One temperature.			<b>Molecular Weight</b>	129.1610
<b>Molecular Weight</b>	174.1586		<b>Wiswesser Line Notation</b>	T66 BNJ
<b>Wiswesser Line Notation</b>	OCNR B1 ENCO		<b>Evaluation</b>	C
<b>Evaluation</b>	D			
$C_9H_6O_2$ (c)		91ELW/SAB	$C_9H_7N$ (liq)	34RAD/JU
Coumarin			Quinoline	
<b>Phase Changes</b>			<b>Heat Capacity</b>	290 K, One temperature.
c/liq	342.14 K,	$\Delta H = 19140 \text{ J} \cdot \text{mol}^{-1}$	<b>Molecular Weight</b>	129.1610
<b>Molecular Weight</b>	146.1452		<b>Wiswesser Line Notation</b>	T66 BNJ
<b>Wiswesser Line Notation</b>	T66 BOVJ		<b>Evaluation</b>	C
<b>Evaluation</b>	A			
$C_9H_6O_2$ (c)		92SAB/ELW4	$C_9H_7N$ (liq)	36PAR/TO
Coumarin			Quinoline	
<b>Phase Changes</b>			<b>Heat Capacity</b>	298.1 K, Temperature range 90 to 300 K.
c/liq	342.14 K,	$\Delta H = 19140 \text{ J} \cdot \text{mol}^{-1}$	<b>Entropy</b>	298.1 K, $S = 217.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c/g	298.15 K,	$\Delta H = 83090 \text{ J} \cdot \text{mol}^{-1}$	<b>Phase Changes</b>	Extrapolation below 90 K, 54.94 J·mol⁻¹·K⁻¹.
<b>Molecular Weight</b>	146.1452		c/liq	258.4 K, $\Delta H = 10799 \text{ J} \cdot \text{mol}^{-1}$
<b>Wiswesser Line Notation</b>	T66 BOVJ			$\Delta S = 41.79 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Evaluation</b>	A		<b>Molecular Weight</b>	129.1610
			<b>Wiswesser Line Notation</b>	T66 BNJ
			<b>Evaluation</b>	B( $C_p$ ), C(S)
$C_9H_6O_2$ (c)		88SAB/ELW	$C_9H_7N$ (liq)	51TSC/KF
Chromone			Quinoline	
<b>Heat Capacity</b>	298.15 K,	$C_p = 176.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298 K, One temperature.
One temperature.			<b>Molecular Weight</b>	129.1610
<b>Phase Changes</b>			<b>Wiswesser Line Notation</b>	T66 BNJ
c/liq	330.27 K,	$\Delta H = 17310 \text{ J} \cdot \text{mol}^{-1}$	<b>Evaluation</b>	C
liq/g	298.15 K,	$\Delta H = 81290 \text{ J} \cdot \text{mol}^{-1}$		
<b>Molecular Weight</b>	146.1452			
<b>Wiswesser Line Notation</b>	T66 BV EOJ			
<b>Evaluation</b>	A			
$C_9H_7Cu$ (c)		82BYK/LEB	$C_9H_7N$ (liq)	57MA
Copper benzylacetylenide			Quinoline	
<b>Heat Capacity</b>	298.15 K, Temperature range 5 to 330 K.	$C_p = 178.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Phase Changes</b>	
<b>Entropy</b>	298.15 K,	$S = 197.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	c/liq	257.93 K, $\Delta H = 10724 \text{ J} \cdot \text{mol}^{-1}$
<b>Molecular Weight</b>	178.7003		<b>Molecular Weight</b>	129.1610
<b>Wiswesser Line Notation</b>	-CU-1UU2R		<b>Wiswesser Line Notation</b>	T66 BNJ
<b>Evaluation</b>	A		<b>Evaluation</b>	A
$C_9H_7N$ (liq)		16BRA	$C_9H_7N$ (liq)	86STE/CH
Quinoline			Quinoline	
<b>Heat Capacity</b>	283 K, Mean value, 0 to 20 °C.	$C_p = 190.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K, Temperature range 6 to 450 K.
<b>Molecular Weight</b>	129.1610		<b>Entropy</b>	298.15 K, $S = 219.69 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b>	T66 BNJ		<b>Phase Changes</b>	
<b>Evaluation</b>	C		c.II/c,I	220.093 K
			c.I/liq	258.369 K
			<b>Molecular Weight</b>	129.1610
			<b>Wiswesser Line Notation</b>	T66 BNJ
			<b>Evaluation</b>	A

$C_9H_7N$ (liq)		88STE/ARC	$C_9H_7NO_4$ (c)		41SAT/SOG
Quinoline			o-Nitrocinnamic acid		
<b>Heat Capacity</b>	298.15 K, Temperature range 5 to 500 K.	$C_p = 194.89 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	323 K, Temperature range 0 to 100 °C. Mean value.	$C_p = 240.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Entropy</b>	298.15 K,	$S = 219.72 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b>	193.1586	
<b>Phase Changes</b>			<b>Wiswesser Line Notation</b>	WNR B1U1VQ	
c,II/c,I	220.000 K,	$\Delta H = 68.18 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 0.310 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Evaluation</b>	C	
c,I/liq	258.369 K,	$\Delta H = 10662.90 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 41.27 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			Same data in 40SAT/SOG2.
<b>Molecular Weight</b>	129.1610				
<b>Wiswesser Line Notation</b>	T66 BNJ				
<b>Evaluation</b>	A				
$C_9H_7N$ (liq)		90JAL/ROB	$C_9H_7NO_4$ (c)		41SAT/SOG
Quinoline			m-Nitrocinnamic acid		
<b>Phase Changes</b>			<b>Heat Capacity</b>	323 K, Temperature range 0 to 100 °C. Mean value.	$C_p = 240.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
liq/liq	290 K		<b>Molecular Weight</b>	193.1586	
<b>Molecular Weight</b>	129.1610		<b>Wiswesser Line Notation</b>	WNR C1U1VQ	
<b>Wiswesser Line Notation</b>	T66 BNJ		<b>Evaluation</b>	C	
<b>Evaluation</b>	B				Same data in 40SAT/SOG2.
	Isochoric heat capacity was measured from 267 to 313 K.				
$C_9H_7N$ (liq)		88STE/ARC	$C_9H_7NO_4$ (c)		41SAT/SOG
Isoquinoline			p-Nitrocinnamic acid		
<b>Heat Capacity</b>	298.15 K, Temperature range 5 to 500 K. Values calculated from graphically extrapolated heat capacity values.	$C_p = 196.16 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	323 K, Temperature range 0 to 100 °C. Mean value.	$C_p = 238.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Entropy</b>	298.15 K,	$S = 215.98 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b>	193.1586	
<b>Phase Changes</b>			<b>Wiswesser Line Notation</b>	WNR D1U1VQ	
c,III/c,II	221.000 K,	$\Delta H = 0.00 \text{ J} \cdot \text{mol}^{-1}$	<b>Evaluation</b>	C	
c,II/c,I	275.000 K,	$\Delta H = 0.00 \text{ J} \cdot \text{mol}^{-1}$			Same data in 40SAT/SOG2.
c,I/liq	299.620 K,	$\Delta H = 13544.17 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 45.20 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
<b>Molecular Weight</b>	129.1610				
<b>Wiswesser Line Notation</b>	T66 CNJ				
<b>Evaluation</b>	A				
$C_9H_8$ (liq)		86STE/CHI	$C_9H_8$ (liq)		59STU/SIN
Isoquinoline			Indene		
<b>Heat Capacity</b>	298.15 K, Temperature range 10 to 400 K.	$C_p = 177.68 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K, Temperature range 15 to 320 K.	$C_p = 186.94 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Entropy</b>	298.15 K,	$S = 171.06 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Entropy</b>	298.15 K,	$S = 215.35 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Phase Changes</b>			<b>Phase Changes</b>		
c,III/c,II	219.600 K		c/liq	271.70 K,	$\Delta H = 10201 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 37.55 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c,II/c,I	275.000 K				
c,I/liq	299.616 K				
<b>Molecular Weight</b>	129.1610				
<b>Wiswesser Line Notation</b>	T66 CNJ				
<b>Evaluation</b>	A				
$C_9H_8N$ (c)		81LEB/RYA	$C_9H_8$ (liq)		61STU/SIN
3-Indole aldehyde			Indene		
<b>Heat Capacity</b>	$C_p = 220.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b>	298.15 K, Temperature range 15 to 320 K.	$C_p = 186.94 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
	Temperature range 298 to 458 K. Data given over temperature range.		<b>Entropy</b>	298.15 K,	$S = 214.18 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	145.1604		<b>Phase Changes</b>		
<b>Wiswesser Line Notation</b>	T56 BMJ DVH		c/liq	271.70 K,	$\Delta H = 10201 \text{ J} \cdot \text{mol}^{-1}$
<b>Evaluation</b>	B				
$C_9H_8NO$ (c)			<b>Molecular Weight</b>	116.1622	
2-Methyl-3-nitro-4-methoxymethyl-5-cyano-6-chloropyridine			<b>Wiswesser Line Notation</b>	L56BHJ	
<b>Heat Capacity</b>	$C_p = 270.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Evaluation</b>	A	
	One temperature.				
<b>Entropy</b>	298.15 K,				
<b>Molecular Weight</b>	241.6335				
<b>Wiswesser Line Notation</b>	T6NJ BG CCN D1O1 ENW F1				
<b>Evaluation</b>	B				

$C_9H_8FeN_2O_3$ (c)		90BUS/TEL	$C_9H_9Cl_3$ (c)		90FUJ/AT
N-allylpyrazole tricarbonyliron			1,3,5-Trichloro-2,4,6-trimethylbenzene		
<b>Heat Capacity</b>	298.15 K,	$C_p=284.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	300 K,	$C_p=232.39 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 10 to 300 K.			Temperature range 3 to 327 K. Unsmoothed experimental data		
<b>Entropy</b>	298.15 K,	$S=309.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Phase Changes</b>		
<b>Molecular Weight</b>	248.0208		c,IV/c,III	158.7 K,	$\Delta H=142 \text{ J}\cdot\text{mol}^{-1}$
<b>Wiswesser Line Notation</b>	T5NMJ B2U1 .FE CO 3		Anomaly splits into two peaks depending on sample history.	163.5 K,	$\Delta H=87 \text{ J}\cdot\text{mol}^{-1}$
<b>Evaluation</b>	A		c,III/c,II	314 K	Superheating effect.
$C_9H_8MnO_3P$ (c)		82POI/SOU	<b>Molecular Weight</b>	223.5291	
3,4-Dimethylphospholyl manganese tricarbonyl;			<b>Wiswesser Line Notation</b>	GR B1 CG D1 EG F1	
Dimethyl- 3,4-phosphacymantrene			<b>Evaluation</b>	A	
<b>Phase Changes</b>					
c,II/c,I	275 K,	$\Delta H=190 \text{ J}\cdot\text{mol}^{-1}$	$C_9H_9FeN$ (c)		84CHH/PO
		$\Delta S=0.69 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	Azaferrocene		
c,I/liq	300 K,	$\Delta H=19300 \text{ J}\cdot\text{mol}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p=183.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
		$\Delta S=64 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	Temperature range 70 to 290 K.		
<b>Molecular Weight</b>	250.0722		<b>Entropy</b>	298.15 K,	$S=211.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Wiswesser Line Notation</b>	T5PJ C1 D1 &MN CO 3		<b>Phase Changes</b>		
<b>Evaluation</b>	A		c,III/c,I'	200 K,	$\Delta H=3000 \text{ J}\cdot\text{mol}^{-1}$
$C_9H_8O_2$ (c)		39SAT/SOG2			$\Delta S=15.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Cinnamic acid			c,II/c,I'	218 K,	$\Delta H=-3800 \text{ J}\cdot\text{mol}^{-1}$
<b>Heat Capacity</b>	323 K,	$C_p=197.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			$\Delta S=-17.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 0 to 100 °C. Mean value.			<b>Molecular Weight</b>	187.0238	
<b>Molecular Weight</b>	148.1610		<b>Wiswesser Line Notation</b>	TSN $\phi$ J $\phi$ -FE- $\phi$ L5 $\phi$ J	
<b>Wiswesser Line Notation</b>	QV1U1R		<b>Evaluation</b>	A	Metastable phase.
<b>Evaluation</b>	C				
$C_9H_8O_2$ (c)		86SIN/KUM	$C_9H_9FeN$ (c)		84CHH/PO
Cinnamic acid			Azaferrocene		
<b>Phase Changes</b>			<b>Heat Capacity</b>	298.15 K,	$C_p=177.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c/liq	406.15 K,	$\Delta H=22626 \text{ J}\cdot\text{mol}^{-1}$	Temperature range 10 to 300 K.		
<b>Molecular Weight</b>	148.1610		<b>Entropy</b>	298.15 K,	$S=170.30 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Wiswesser Line Notation</b>	QV1U1R		<b>Phase Changes</b>		
<b>Evaluation</b>	A		c,III/c,II	278.5 K,	$\Delta H=650 \text{ J}\cdot\text{mol}^{-1}$
$C_9H_8O_3$ (c)		83GEI/SAL			$\Delta S=2.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
endo-Bicyclo[2.2.1]-5-heptene-2,3-dicarboxylic acid anhydride			c,II/c,I	289.5 K,	$\Delta H=6748 \text{ J}\cdot\text{mol}^{-1}$
<b>Heat Capacity</b>	298.15 K,	$C_p=183.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			$\Delta S=23.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 12 to 300 K.			<b>Molecular Weight</b>	187.0238	
<b>Entropy</b>	298.15 K,	$S=189.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Wiswesser Line Notation</b>	TSN $\phi$ J $\phi$ -FE- $\phi$ L5 $\phi$ J	
<b>Molecular Weight</b>	164.1604		<b>Evaluation</b>	A	Stable phase.
<b>Wiswesser Line Notation</b>	T555/FJ 2AE J BVOV IUTJ				
<b>Evaluation</b>	A		$C_9H_9FeP$ (c)		84CHH/PO
There is an extended hump in the $C_p$ curve between 50 and 150 K.			Phosphaferrocene		
			<b>Phase Changes</b>		
$C_9H_9Cl_3$ (c)		72LAG	c,II/c,I	266 K,	$\Delta H=7330 \text{ J}\cdot\text{mol}^{-1}$
1,2,3-Trichloro-4,5,6-trimethylbenzene					$\Delta S=27.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Heat Capacity</b>	298.15 K,	$C_p=252.34 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Molecular Weight</b>	203.9909	
Temperature range 20 to 300 K.			<b>Wiswesser Line Notation</b>	TS5P $\phi$ J $\phi$ -FE- $\phi$ L5 $\phi$ J	
<b>Entropy</b>	298.15 K,	$S=314.93 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Evaluation</b>	A	
<b>Molecular Weight</b>	223.5291		Stable phase. A metastable phase transition is reported at T=21 K.		
<b>Wiswesser Line Notation</b>	GR BG CG D1 E1 F1				
<b>Evaluation</b>	B				
Second order transition between 140 and 270 K.			$C_9H_9NO$ (c)		83ZAM/K
			$\alpha$ -Methoxybenzyl cyanide		
			<b>Heat Capacity</b>	298.15 K,	$C_p=153.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
			One temperature.		
			<b>Molecular Weight</b>	147.1762	
			<b>Wiswesser Line Notation</b>	NCYR&O1	
			<b>Evaluation</b>	B	

$(C_9H_{10}NO)_n$ (c)		91ROL	$C_9H_9N_3O_4$ (c)		89KHO/ISK
Poly-L-phenylalanine			3-Cyano-4-methoxymethyl-5-nitro-6-methyl-(2-pyridone)		
<b>Heat Capacity</b>	300 K,	$C_p=169.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p=275.80 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 220 to 390 K.			One temperature.		
<b>Molecular Weight</b>	147.1762		<b>Entropy</b>	298.15 K,	$S=323.69 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Wiswesser Line Notation</b>	/*VY1R&M*/ -L		<b>Molecular Weight</b>	223.1878	
<b>Evaluation</b>	B		<b>Wiswesser Line Notation</b>	T6MVJ CCN D1O1 ENW F1	
			<b>Evaluation</b>	B	
$(C_9H_9NO)_n$ (c)		93ROL/XEN	$C_9H_{10}$ (liq)		71LEB/RAB2
Poly-L-phenylalanine			$\alpha$ -Methylstyrene		
<b>Heat Capacity</b>	300 K,	$C_p=169.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	300 K,	$C_p=202.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 220 to 390 K.			Temperature range 60 to 300 K.		
<b>Molecular Weight</b>	147.1762		<b>Entropy</b>	300 K,	$S=243.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Wiswesser Line Notation</b>	/*VY1R&M*/ -L		<b>Phase Changes</b>	c/liq	$\Delta H=11924 \text{ J}\cdot\text{mol}^{-1}$
<b>Evaluation</b>	B			250.78 K,	$\Delta S=47.55 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
			<b>Molecular Weight</b>	118.1780	
$C_9H_9NO_2$ (c)		41SAT/SOG2	<b>Wiswesser Line Notation</b>	IUY1&R	
m-Aminocinnamic acid			<b>Evaluation</b>	B	
<b>Heat Capacity</b>	323 K,	$C_p=227.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
Temperature range 0 to 100 °C. Mean value.					
<b>Molecular Weight</b>	163.1756				
<b>Wiswesser Line Notation</b>	ZR C1U1VQ				
<b>Evaluation</b>	C				
Same data at 40SAT/SOG3.					
$(C_9H_9NO_2)_n$ (c)		91ROL	$C_9H_{10}$ (liq)		59STU/SIN
Poly-L-tyrosine			Indane		
<b>Heat Capacity</b>	300 K,	$C_p=183.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p=190.25 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 220 to 390 K.			Temperature range 15 to 320 K.		
<b>Molecular Weight</b>	163.1756		<b>Entropy</b>	298.15 K,	$S=234.34 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Wiswesser Line Notation</b>	/*VY1R DQ &M*/ -L		<b>Phase Changes</b>	c/liq	$\Delta H=8598 \text{ J}\cdot\text{mol}^{-1}$
<b>Evaluation</b>	B			221.77 K,	$\Delta S=38.77 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
			<b>Molecular Weight</b>	118.1780	
$(C_9H_9NO_2)_n$ (c)		93ROL/XEN	<b>Wiswesser Line Notation</b>	L56T&J	
Poly-L-tyrosine			<b>Evaluation</b>	A	
<b>Heat Capacity</b>	300 K,	$C_p=183.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
Temperature range 220 to 390 K.					
<b>Molecular Weight</b>	163.1756				
<b>Wiswesser Line Notation</b>	/*VY1R DQ &M*/ -L				
<b>Evaluation</b>	B				
$C_9H_9NO_3$ (c)		41HUF	$C_9H_{10}$ (liq)		61STU/SIN
Hippuric acid; Benzoylglycine			Indane		
<b>Heat Capacity</b>	298.4 K,	$C_p=214.35 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p=190.25 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 85 to 298 K. Value is unsmoothed experimental datum.			Temperature range 15 to 320 K. Premelting occurs at 170 K to melting.		
<b>Entropy</b>	298.1 K,	$S=239.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Entropy</b>	298.15 K,	$S=234.35 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Extrapolation below 90 K, 77.32 $\text{J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ .			<b>Phase Changes</b>	c,II/c,I	$\Delta H=781 \text{ J}\cdot\text{mol}^{-1}$
<b>Molecular Weight</b>	179.1750				$\Delta S=10.57 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Wiswesser Line Notation</b>	QV1MVR		<b>c,II/liq</b>	221.77 K,	$\Delta H=8598 \text{ J}\cdot\text{mol}^{-1}$
<b>Evaluation</b>	A( $C_p$ ),C(S)				$\Delta S=38.77 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
			<b>Molecular Weight</b>	118.1780	
$C_9H_9NO_3$ (liq)		61HUB/FRO	<b>Wiswesser Line Notation</b>	L56T&J	
Hippuric acid; Benzoylglycine			<b>Evaluation</b>	A	
<b>Heat Capacity</b>	298.15 K,	$C_p=217 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
One temperature.					
<b>Molecular Weight</b>	179.1750				
<b>Wiswesser Line Notation</b>	QV1MVR				
<b>Evaluation</b>	B				
			$(C_9H_{10})_n$ (c)		71LEB/RAB2
			Poly( $\alpha$ -methylstyrene)		
			<b>Heat Capacity</b>	300 K,	$C_p=149.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
			Temperature range 60 to 300 K.		
			<b>Entropy</b>	300 K,	$S=134.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
			<b>Molecular Weight</b>	118.1780	
			<b>Wiswesser Line Notation</b>	/*IX*1&R/	
			<b>Evaluation</b>	B	
$C_9H_9NO_3$ (liq)					
Hippuric acid; Benzoylglycine					
<b>Heat Capacity</b>	298.15 K,	$C_p=217 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
One temperature.					
<b>Molecular Weight</b>	179.1750				
<b>Wiswesser Line Notation</b>	QV1MVR				
<b>Evaluation</b>	B				
			$C_9H_{10}N_2O_2$ (c)		89KHO/ISK
			3-Cyano-4-methoxymethyl-6-methyl-(2-pyridone)		
			<b>Heat Capacity</b>	298.15 K,	$C_p=211.76 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
			One temperature.		
			<b>Entropy</b>	298.15 K,	$S=269.23 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
			<b>Molecular Weight</b>	178.1902	
			<b>Wiswesser Line Notation</b>	T6MVJ CCN D1O1 F1	
			<b>Evaluation</b>	B	

$C_9H_{10}N_2O_3$ (c)		82CUE/SOL	$C_9H_{10}O_2$ (liq)	33KOL/UDC
2-Methoxyisonitrosoacetanilide			Benzyl ethanoate; Benzyl acetate	
<b>Phase Changes</b>			<b>Heat Capacity</b> 292.7 K,	
c/liq	422 K,	$\Delta H = 27800 \text{ J}\cdot\text{mol}^{-1}$	One temperature.	
		$\Delta S = 65.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Molecular Weight</b> 150.1768	$C_p = 250.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b> 194.1896			<b>Wiswesser Line Notation</b> 1VO1R	
Wiswesser Line Notation QNU1VMR BO1			Evaluation C	
Evaluation	D			
$C_9H_{10}N_2O_3$ (c)		82CUE/SOL	$C_9H_{10}O_2$ (liq)	34KOL/UDC
4-Methoxyisonitrosoacetanilide			Benzyl ethanoate; Benzyl acetate	
<b>Phase Changes</b>			<b>Heat Capacity</b> 292.7 K,	
c/liq	459 K,	$\Delta H = 8300 \text{ J}\cdot\text{mol}^{-1}$	One temperature.	
		$\Delta S = 18.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Molecular Weight</b> 150.1768	$C_p = 250.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b> 194.1896			<b>Wiswesser Line Notation</b> 1VO1R	
Wiswesser Line Notation QNU1VMR DO1			Evaluation C	
Evaluation	D			
$C_9H_{10}O$ (liq)		86CHI/NGU	$C_9H_{10}O_2$ (liq)	39PHJ
Chroman			Benzyl ethanoate; Benzyl acetate	
<b>Heat Capacity</b>	298.15 K,	$C_p = 214.00 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b> 306.0 K,	
Temperature range 10 to 450 K.			One temperature.	
<b>Entropy</b>	298.15 K,	$S = 246.03 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Molecular Weight</b> 150.1768	
<b>Phase Changes</b>			<b>Wiswesser Line Notation</b> 1VO1R	
c/liq	269.836 K		Evaluation C	
<b>Molecular Weight</b> 134.1774				
Wiswesser Line Notation T66 BOT&J				
Evaluation	A			
$C_9H_{10}O$ (liq)		90CHI/ARC	$C_9H_{10}O_2$ (liq)	79FUC
Chroman			Benzyl ethanoate; Benzyl acetate	
<b>Heat Capacity</b>	298.15 K,	$C_p = 213.966 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	
Temperature range 10 to 500 K.			One temperature.	
<b>Entropy</b>	298.15 K,	$S = 246.018 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Molecular Weight</b> 150.1768	
<b>Phase Changes</b>			<b>Wiswesser Line Notation</b> 1VO1R	
c/liq	269.836 K,	$\Delta H = 16255.37 \text{ J}\cdot\text{mol}^{-1}$	Evaluation B	
		$\Delta S = 60.242 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		
<b>Molecular Weight</b> 134.1774				
Wiswesser Line Notation T66 BOT&J				
Evaluation	A			
$C_9H_{10}O$ (liq)		86CHI/NGU	$C_9H_{10}O_2$ (liq)	33KOL/UDC
Isochroman			Ethyl benzoate	
<b>Heat Capacity</b>	298.15 K,	$C_p = 217.81 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b> 292.7 K,	
Temperature range 10 to 450 K.			One temperature.	
<b>Entropy</b>	298.15 K,	$S = 247.04 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Molecular Weight</b> 150.1768	
<b>Phase Changes</b>			<b>Wiswesser Line Notation</b> 2OVR	
c/liq	277.503 K		Evaluation C	
<b>Molecular Weight</b> 134.1774				
Wiswesser Line Notation T66 COT&J				
Evaluation	A			
$C_9H_{10}O$ (liq)		90CHI/ARC	$C_9H_{10}O_2$ (liq)	34KOL/UDC
Isochroman			Ethyl benzoate	
<b>Heat Capacity</b>	298.15 K,	$C_p = 217.774 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b> 292.7 K,	
Temperature range 10 to 500 K.			One temperature.	
<b>Entropy</b>	298.15 K,	$S = 247.024 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Molecular Weight</b> 150.1768	
<b>Phase Changes</b>			<b>Wiswesser Line Notation</b> 2OVR	
c/liq	277.503 K,	$\Delta H = 16747.59 \text{ J}\cdot\text{mol}^{-1}$	Evaluation D	
		$\Delta S = 60.351 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		
<b>Molecular Weight</b> 134.1774				
Wiswesser Line Notation T66 COT&J				
Evaluation	A			
$C_9H_{10}O_2$ (liq)			$C_9H_{10}O_2$ (liq)	36KUR/VO <sup>a</sup>
Ethyl benzoate			Benzyl ethanoate	
<b>Heat Capacity</b>	290 K,	$C_p = 282.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b> 290 K,	
One temperature.			One temperature.	
<b>Molecular Weight</b>	150.1768		<b>Molecular Weight</b> 150.1768	
Wiswesser Line Notation 2OVR			<b>Wiswesser Line Notation</b> 2OVR	
Evaluation	D		Evaluation D	

$C_9H_{10}O_2$ (liq)	79FUC	$C_p = 246.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	$C_9H_{10}O_2$ (c)	84COL/JIM2
Ethyl benzoate			3,4-Dimethylbenzoic acid	
<b>Heat Capacity</b>	298.15 K,		<b>Heat Capacity</b>	299.65 K, $C_p = 199.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
One temperature.			One temperature.	
<b>Molecular Weight</b>	150.1768		<b>Molecular Weight</b>	150.1768
Wiswesser Line Notation	2OVR		Wiswesser Line Notation	QVR C1 D1
Evaluation	B		Evaluation	B
$C_9H_{10}O_2$ (c)	1889EYK		$C_9H_{10}O_2$ (c)	84COL/JIM2
Phenylpropionic acid			3,5-Dimethylbenzoic acid	
<b>Phase Changes</b>			<b>Heat Capacity</b>	299.15 K, $C_p = 192.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c/liq	321.6 K,	$\Delta H = 15564 \text{ J}\cdot\text{mol}^{-1}$	One temperature.	
		$\Delta S = 48.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Molecular Weight</b>	150.1768
<b>Molecular Weight</b>	150.1768		Wiswesser Line Notation	QVR C1 E1
Wiswesser Line Notation	QV2R		Evaluation	B
Evaluation	C			
$C_9H_{10}O_2$ (c)	84COL/JIM2		$C_9H_{10}O_2$ (c)	84COL/JIM2
2,3-Dimethylbenzoic acid			m-Ethylbenzoic acid	
<b>Heat Capacity</b>	299.65 K,	$C_p = 216.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K, $C_p = 199.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
One temperature.			One temperature. $C_p$ given as $1.33 \text{ J}\cdot\text{K}^{-1}\cdot\text{g}^{-1}$ .	
<b>Molecular Weight</b>	150.1768		<b>Molecular Weight</b>	150.1768
Wiswesser Line Notation	QVR B1 C1		Wiswesser Line Notation	QVR C2
Evaluation	B		Evaluation	B
$C_9H_{10}O_2$ (c)	84COL/JIM2		$C_9H_{10}O_2$ (c)	84COL/JIM2
2,4-Dimethylbenzoic acid			p-Ethylbenzoic acid	
<b>Heat Capacity</b>	299.65 K,	$C_p = 192.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K, $C_p = 207.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
One temperature.			One temperature. $C_p$ given as $1.38 \text{ J}\cdot\text{K}^{-1}\cdot\text{g}^{-1}$ .	
<b>Molecular Weight</b>	150.1768		<b>Molecular Weight</b>	150.1768
Wiswesser Line Notation	QVR B1 D1		Wiswesser Line Notation	QVR D2
Evaluation	B		Evaluation	B
$C_9H_{10}O_2$ (c)	84COL/JIM2		$C_9H_{10}O_2$ (c)	87LES/LIC
2,5-Dimethylbenzoic acid			Phenyl glycidyl ether	
<b>Heat Capacity</b>	299.65 K,	$C_p = 202.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298 K, $C_p = 278.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
One temperature.			Temperature range 225 to 400 K.	
<b>Molecular Weight</b>	150.1768		<b>Molecular Weight</b>	150.1768
Wiswesser Line Notation	QVR B1 E1		Wiswesser Line Notation	T3OTJ B1OR
Evaluation	B		Evaluation	B
$C_9H_{10}O_2$ (c)	84COL/JIM2		$C_9H_{10}O_2$ (liq)	88LEB/BYK2
2,6-Dimethylbenzoic acid			Phenyl glycidyl ether	
<b>Heat Capacity</b>	299.65 K,	$C_p = 204.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K, $C_p = 276.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
One temperature.			Temperature range 5 to 330 K.	
<b>Molecular Weight</b>	150.1768		<b>Entropy</b>	298.15 K, $S = 2/4.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Wiswesser Line Notation	QVR B1 F1		<b>Phase Changes</b>	
Evaluation	B		c/liq	276.79 K
 			<b>Molecular Weight</b>	150.1768
$C_9H_{10}O_2$ (c)	84COL/JIM2		Wiswesser Line Notation	T3OTJ B1OR
o-Ethylbenzoic acid			Evaluation	A
<b>Heat Capacity</b>	298.15 K, $C_p = 208.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		Data also given for the vitreous state from 5 to 189 K, and for the supercooled liquid from 200 to 276.79 K.	
One temperature. $C_p$ given as $1.39 \text{ J}\cdot\text{K}^{-1}\cdot\text{g}^{-1}$ .				
<b>Molecular Weight</b>	150.1768			
Wiswesser Line Notation	QVR B2			
Evaluation	B			

$C_9H_{10}O_3$ (c)	78GEI/KAR	$C_9H_{11}NO_2$ (c)	39SAT/SOG
3-Methyltetrahydrophthalic anhydride		Ammonium cinnamate	
<b>Heat Capacity</b>		<b>Heat Capacity</b> 323 K,	$C_p=252.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
$C_p$ data not given. Temperature range 12 to 360 K. Data deposited VINITI, No. 3381-77, 5 Oct 1977. Includes $C_p$ , S, $\Delta H$ fusion, Tm.		Temperature range 0 to 100 °C. Mean value.	
<b>Molecular Weight</b> 166.1762		<b>Molecular Weight</b> 165.1914	
Wiswesser Line Notation TS6 BVOV AUJG F1		Wiswesser Line Notation QV1U1R & ZH	
<b>Evaluation</b>	B(for original data)	<b>Evaluation</b> C	Same data in 40SAT/SOG.
$C_9H_{11}N$ (liq)	89STE/CHI	$C_9H_{11}NO_2$ (c)	63COL/HU
1,2,3,4-Tetrahydroquinoline		Phenylalanine(L)	
<b>Heat Capacity</b> 298.15 K,	$C_p=236.04 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p=203.01 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 10 to 440 K.		Temperature range 11 to 305 K.	
<b>Entropy</b> 298.15 K,	$S=240.36 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Entropy</b> 298.15 K,	$S=213.64 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Phase Changes</b>		<b>Molecular Weight</b> 165.1914	
c,IV/c,III 61.7 K		Wiswesser Line Notation QVYZ1R -L	
c,III/c,II 114.75 K		<b>Evaluation</b> A	
c,II/c,I 231.8 K		 	
c,I/liq 289.913 K,	$\Delta H=11813 \text{ J}\cdot\text{mol}^{-1}$	$C_9H_{11}NO_2$ (c)	75SPI/WAI
	$\Delta S=40.75 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	Phenylalanine(L)	
<b>Molecular Weight</b> 133.1926		<b>Heat Capacity</b> 298.15 K,	$C_p=203.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Wiswesser Line Notation T66 BNT&J		One temperature.	
<b>Evaluation</b> A		<b>Molecular Weight</b> 165.1914	
 		Wiswesser Line Notation QVYZ1R -L	
$C_9H_{11}N$ (liq)	86STE/CHI	<b>Evaluation</b> B	
5,6,7,8-Tetrahydroquinoline		 	
<b>Heat Capacity</b> 298.15 K,	$C_p=217.33 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	$C_9H_{11}NO_3$ (c)	37HUF/EL
Temperature range 6 to 450 K.		Tyrosine(L)	
<b>Entropy</b> 298.15 K,	$S=248.69 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b> 294.6 K,	$C_p=214.30 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Phase Changes</b>		Temperature range 87 to 295 K. Value is unsmoothed experimental datum.	
c/liq 222.634 K		<b>Entropy</b> 298.15 K,	$S=221.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b> 133.1926		Extrapolation below 90 K. $64.56 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ .	
Wiswesser Line Notation T66 BN&TJ		<b>Molecular Weight</b> 181.1908	
<b>Evaluation</b> A		Wiswesser Line Notation QVYZ1R DQ -L	
 		<b>Evaluation</b> B( $C_p$ ),C(S)	
$C_9H_{11}N$ (liq)	89STE/CHI	 	
5,6,7,8-Tetrahydroquinoline		$C_9H_{11}NO_3$ (c)	63COL/HU
<b>Heat Capacity</b> 298.15 K,	$C_p=217.41 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	Tyrosine(L)	
Temperature range 5 to 440 K.		<b>Heat Capacity</b> 298.15 K,	$C_p=216.44 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Entropy</b> 298.15 K,	$S=248.73 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	One temperature.	
<b>Phase Changes</b>		<b>Entropy</b> 298.15 K,	$S=214.01 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c,III/c,II T(glass) near 160 K. Glass to metastable form.		<b>Molecular Weight</b> 181.1908	
c,II/c,I near 210 K. First order transition, metastable to stable crystalline form.		Wiswesser Line Notation QVYZ1R DQ -L	
c,I/liq 222.634 K,	$\Delta H=9071.7 \text{ J}\cdot\text{mol}^{-1}$	<b>Evaluation</b> A	
	$\Delta S=40.75 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	 	
<b>Molecular Weight</b> 133.1926		 	
Wiswesser Line Notation T66 BN&TJ		$C_9H_{11}NO_4$ (c)	40CAM/CA
<b>Evaluation</b> A		Salicylic acid-acetamide complex; Acetamide-salicylic acid complex	
 		<b>Heat Capacity</b> 293 K,	$C_p=169.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
$C_9H_{11}NO_2$ (c)	71PRI	One temperature.	
Ethyl N-phenylcarbamate		<b>Molecular Weight</b> 197.1902	
<b>Heat Capacity</b> 298 K,	$C_p=227.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	Wiswesser Line Notation QVR BQ & ZV1	
Temperature range 200 to 390 K. Complete data deposited VINITI, No. 2713-71, 25 March 1971.		<b>Evaluation</b> C	
<b>Phase Changes</b>		 	
c/liq 326 K.	$\Delta H=16272 \text{ J}\cdot\text{mol}^{-1}$	 	
	$\Delta S=49.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	 	
<b>Molecular Weight</b> 165.1914		 	
Wiswesser Line Notation 20VMR		 	
<b>Evaluation</b> B		 	

<b>C<sub>9</sub>H<sub>12</sub></b> (liq) 1,2,3-Trimethylbenzene	55TAY/JOH  <b>Heat Capacity</b> 298.15 K, Temperature range 19 to 301 K. <b>Entropy</b> 298.15 K, <b>Phase Changes</b> c,III/c,II 218.70 K, $\Delta H=658.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ $\Delta S=3.01 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ c,II/c,I 230.27 K, $\Delta H=1336.0 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=5.80 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ c,I/liq 247.81 K, $\Delta H=8180.1 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=33.01 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$  <b>Molecular Weight</b> 120.1938 <b>Wiswesser Line Notation</b> 1R B1 C1 <b>Evaluation</b> A	87WIL/ING  <b>Heat Capacity</b> 298.15 K, One temperature. <b>Molecular Weight</b> 120.1938 <b>Wiswesser Line Notation</b> 1R B1 D1 <b>Evaluation</b> B
<b>C<sub>9</sub>H<sub>12</sub></b> (liq) 1,2,4-Trimethylbenzene; Pseudocumene	31HUF/PAR  <b>Heat Capacity</b> 297.3 K, Temperature range 94 to 297 K. Value is unsmoothed experimental datum. <b>Entropy</b> 298.1 K, Extrapolation below 90 K, 69.79 $\text{J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ . <b>Phase Changes</b> c/liq 228.6 K, $\Delta H=12648 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=55.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$  <b>Molecular Weight</b> 120.1938 <b>Wiswesser Line Notation</b> 1R B1 D1 <b>Evaluation</b> B( $C_p$ ),C(S)	1881REI  <b>Heat Capacity</b> 298 K, Temperature range 292 to 403 K. <b>Molecular Weight</b> 120.1938 <b>Wiswesser Line Notation</b> 1R C1 E1 <b>Evaluation</b> D
<b>C<sub>9</sub>H<sub>12</sub></b> (liq) 1,2,4-Trimethylbenzene; Pseudocumene	47KUR  <b>Heat Capacity</b> 298 K, Temperature range 15 to 168 °C, mean $C_p$ , five temperatures.  <b>Molecular Weight</b> 120.1938 <b>Wiswesser Line Notation</b> 1R B1 D1 <b>Evaluation</b> D	47KUR  <b>Heat Capacity</b> 298 K, Temperature range 15 to 155 °C, mean $C_p$ , five temperatures. <b>Molecular Weight</b> 120.1938 <b>Wiswesser Line Notation</b> 1R C1 E1 <b>Evaluation</b> D
<b>C<sub>9</sub>H<sub>12</sub></b> (liq) 1,2,4-Trimethylbenzene; Pseudocumene	55HEL/HEI  <b>Heat Capacity</b> 299.8 K, Temperature range 80 to 220 °F.  <b>Molecular Weight</b> 120.1938 <b>Wiswesser Line Notation</b> 1R B1 D1 <b>Evaluation</b> B	55HEL/HEI  <b>Heat Capacity</b> 299.8 K, Temperature range 80 to 220 °F.  <b>Molecular Weight</b> 120.1938 <b>Wiswesser Line Notation</b> 1R C1 E1 <b>Evaluation</b> B
<b>C<sub>9</sub>H<sub>12</sub></b> (liq) 1,2,4-Trimethylbenzene; Pseudocumene	57PUT/KIL  <b>Heat Capacity</b> 298.15 K, Temperature range 15 to 300 K. <b>Entropy</b> 298.15 K, <b>Phase Changes</b> c,I/liq 229.33 K, $\Delta H=13190 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=57.53 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$  <b>Molecular Weight</b> 120.1938 <b>Wiswesser Line Notation</b> 1R B1 D1 <b>Evaluation</b> A	55TAY/KIL  <b>Heat Capacity</b> 298.15 K, Temperature range 20 to 305 K. <b>Entropy</b> 298.15 K, <b>Phase Changes</b> c,I/liq 228.42 K, $\Delta H=9514.8 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=41.65 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Metastable melting points at 221.46 K and 223.35 K.  <b>Molecular Weight</b> 120.1938 <b>Wiswesser Line Notation</b> 1R C1 E1 <b>Evaluation</b> A
<b>C<sub>9</sub>H<sub>12</sub></b> (liq) 1,2,4-Trimethylbenzene; Pseudocumene	79AND/GRI  <b>Heat Capacity</b> 295.99 K, Temperature range 293 to 430 K. Unsmoothed experimental datum given as 1.765 kJ/kg·K.  <b>Molecular Weight</b> 120.1938 <b>Wiswesser Line Notation</b> 1R B1 D1 <b>Evaluation</b> B	68REC  <b>Heat Capacity</b> 298 K, Temperature range 24 to 40 °C. Equation only.  <b>Molecular Weight</b> 120.1938 <b>Wiswesser Line Notation</b> 1R C1 E1 <b>Evaluation</b> C
<b>C<sub>9</sub>H<sub>12</sub></b> (liq) 1,2,4-Trimethylbenzene; Pseudocumene	77FOR/BEN  <b>Heat Capacity</b> 298.15 K, One temperature.  <b>Molecular Weight</b> 120.1938 <b>Wiswesser Line Notation</b> 1R C1 E1 <b>Evaluation</b> B	77FOR/BEN  <b>Heat Capacity</b> 298.15 K, $C_p=207.686 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$

$C_9H_{12}$ (liq)		79AND/GRI	$C_9H_{12}$ (liq)		73KIS/SU
1,3,5-Trimethylbenzene; Mesitylene			Isopropylbenzene; Cumene		
<b>Heat Capacity</b> 294.99 K,	$C_p=205.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K,	$C_p=215.40 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 295 to 424 K. Unsmoothed experimental datum given as 1.710 kJ/kg·K.			Temperature range 14 to 314 K. Glass, 14 to 126 K.		
<b>Molecular Weight</b> 120.1938			<b>Entropy</b> 298.15 K,	$S=277.57 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Wiswesser Line Notation</b> 1R C1 E1			<b>Phase Changes</b>		
<b>Evaluation</b> B			c/liq 177.13 K,	$\Delta H=7326 \text{ J}\cdot\text{mol}^{-1}$	
				$\Delta S=41.36 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
$C_9H_{12}$ (liq)		79WIL/FAR	<b>Molecular Weight</b> 120.1938		
1,3,5-Trimethylbenzene; Mesitylene			<b>Wiswesser Line Notation</b> 1Y1&R		
<b>Heat Capacity</b> 298.15 K,	$C_p=207.66 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Evaluation</b> A		
One temperature.					
<b>Molecular Weight</b> 120.1938					
<b>Wiswesser Line Notation</b> 1R C1 E1					
<b>Evaluation</b> B					
$C_9H_{12}$ (liq)		93GRO/ROU	$C_9H_{12}$ (liq)		79AND/GF
1,3,5-Trimethylbenzene; Mesitylene			Isopropylbenzene; Cumene		
<b>Heat Capacity</b> 298.15 K,	$C_p=207.85 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 295.96 K,	$C_p=214.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
One temperature.			Temperature range 296 to 413 K. Unsmoothed experimental datum given as 1.784 kJ/kg·K.		
<b>Molecular Weight</b> 120.1938			<b>Molecular Weight</b> 120.1938		
<b>Wiswesser Line Notation</b> 1R C1 E1			<b>Wiswesser Line Notation</b> 1Y1&R		
<b>Evaluation</b> B			<b>Evaluation</b> B		
$C_9H_{12}$ (liq)		34KOL/UDO	$C_9H_{12}$ (liq)		48TS
Isopropylbenzene; Cumene			n-Propylbenzene		
<b>Heat Capacity</b> 302.0 K,	$C_p=198.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 295 K,	$C_p=184 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
One temperature.			One temperature.		
<b>Molecular Weight</b> 120.1938			<b>Molecular Weight</b> 120.1938		
<b>Wiswesser Line Notation</b> 1Y1&R			<b>Wiswesser Line Notation</b> 3R		
<b>Evaluation</b> C			<b>Evaluation</b> C		
$C_9H_{12}$ (liq)		34KOL/UDO2	$C_9H_{12}$ (liq)		65MES/TO
Isopropylbenzene; Cumene			n-Propylbenzene		
<b>Heat Capacity</b> 302.0 K,	$C_p=198.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K,	$C_p=214.72 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
One temperature.			Temperature range 10 to 370 K.		
<b>Molecular Weight</b> 120.1938			<b>Entropy</b> 298.15 K,	$S=287.78 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Wiswesser Line Notation</b> 1Y1&R			<b>Phase Changes</b>		
<b>Evaluation</b> C			c,II/liq 171.67 K,	$\Delta H=8498 \text{ J}\cdot\text{mol}^{-1}$	
			c,I/liq 173.60 K,	$\Delta S=49.50 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
				$\Delta H=9268 \text{ J}\cdot\text{mol}^{-1}$	
				$\Delta S=53.39 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
			Metastable crystals.		
$C_9H_{12}$ (liq)		47KUR	<b>Molecular Weight</b> 120.1938		
Isopropylbenzene; Cumene			<b>Wiswesser Line Notation</b> 3R		
<b>Heat Capacity</b> 298 K,	$C_p=213.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Evaluation</b> A		
Temperature range 16 to 153 °C, mean $C_p$ , four temperatures.					
<b>Molecular Weight</b> 120.1938					
<b>Wiswesser Line Notation</b> 1Y1&R					
<b>Evaluation</b> D					
$C_9H_{12}$ (liq)		52SCH/SAG	$C_9H_{12}O$ (liq)		75NIC/WA
Isopropylbenzene; Cumene			3-Phenylpropanol		
<b>Heat Capacity</b> 299.8 K,	$C_p=209.41 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K,	$C_p=280.74 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 300 to 366 K.			One temperature.		
<b>Molecular Weight</b> 120.1938			<b>Molecular Weight</b> 136.1932		
<b>Wiswesser Line Notation</b> 1Y1&R			<b>Wiswesser Line Notation</b> Q3R		
<b>Evaluation</b> B			<b>Evaluation</b> B		
			Name shown in 88BAG/GUR as 2,5,6-trimethylphenol		
$C_9H_{12}O$ (liq)			$C_9H_{12}O$ (liq)		88BAG/GU
2,3,6-Trimethylphenol			2,3,6-Trimethylphenol		
<b>Heat Capacity</b> 298.15 K,	$C_p=224.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K,	$C_p=224.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 270 to 340 K. Unsmoothed experimental datum.					
<b>Molecular Weight</b> 136.1932					
<b>Wiswesser Line Notation</b> QR B1 C1 F1					
<b>Evaluation</b> B					

$C_9H_{12}O_2$ (liq)		88BAG/GUR	$C_9H_{14}O$ (liq)		84BAG/BAE
Trimethylhydroquinone			2,5,6-Trimethyl-2-cyclohexen-1-one		
<b>Heat Capacity</b> 313.65 K,	$C_p = 217.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K,	$C_p = 258.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 270 to 340 K. Unsmoothed experimental datum.			Temperature range 273 to 343 K. $C_p(\text{liq}) = 1.03481 + 0.003008T \text{ kJ/kg}\cdot\text{K}$ (273 to 343 K).		
<b>Molecular Weight</b> 152.1926			<b>Molecular Weight</b> 138.2090		
Wiswesser Line Notation QR B1 C1 DQ E1			Wiswesser Line Notation L6 BU CVTJ B1 E1 F1		
Evaluation B			Evaluation B		
$C_9H_{12}O$ (c)		91KHO/ISK	$C_9H_{14}O$ (liq)		88BAG/GUR
2,4,6-Trimethylphenol; Mesitol			2,5,6-Trimethyl-2-cyclohexen-1-one		
<b>Heat Capacity</b> 298.15 K,	$C_p = 213.12 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K,	$C_p = 258.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 90 to 320 K. $C_p(c) = -460.08(T/100)^{-2} + 1250.90(T/100)^{-1} - 1258.35 + 682.09(T/100) - 138.79(T/100)^2 + 11.79(T/100)^3 \text{ J/mol}\cdot\text{K}$ .			Temperature range 270 to 340 K. Unsmoothed experimental datum.		
<b>Entropy</b> 298.15 K,	$S = 215.13 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Molecular Weight</b> 138.2090		
<b>Molecular Weight</b> 136.1932			Wiswesser Line Notation L6 BU CVTJ B1 E1 F1		
Wiswesser Line Notation QR B1 D1 F1			Evaluation B		
Evaluation B					
$C_9H_{13}N$ (liq)		02LOU	$C_9H_{14}O$ (c)		91WHI/PER
2,N,N-Trimethylaniline			Bicyclo[3.3.1]nonan-9-one		
<b>Heat Capacity</b> 370 K,	$C_p = 280 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b>		
Mean value 21 to 184 °C.			Temperature range 34 to 305 K. Unsmoothed experimental data given.		
<b>Molecular Weight</b> 135.2084			Transition at 300.5 makes the $C_p$ value at 298.15 anomalous.		
Wiswesser Line Notation 1N1&R B1			<b>Phase Changes</b>		
Evaluation D			c,II/c,I 300.5 K, $\Delta H = 14110 \text{ J}\cdot\text{mol}^{-1}$		
			$\Delta S = 46.99 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		
$C_9H_{13}N$ (liq)		75NIC/WAD	<b>Molecular Weight</b> 138.2090		
3-Phenylpropylamine			Wiswesser Line Notation T66 A AVTJ		
<b>Heat Capacity</b> 298.15 K,	$C_p = 265.59 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		Evaluation A		
One temperature.					
<b>Molecular Weight</b> 135.2084					
Wiswesser Line Notation Z3R					
Evaluation B					
$C_9H_{13}NO_3$ (c)		89KHO/ISK	$C_9H_{14}O_4$ (liq)		85KAR/ABD2
2-Methyl-3-hydroxy-4-methoxymethyl-5-hydroxymethylpyridine			Carbisopropoxy methyl methacrylate		
<b>Heat Capacity</b> 298.15 K,	$C_p = 231.20 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Phase Changes</b>		
One temperature.			c/liq 276.5 K, $\Delta H = 19867 \text{ J}\cdot\text{mol}^{-1}$		
<b>Entropy</b> 298.15 K,	$S = 277.60 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Molecular Weight</b> 186.2072		
<b>Molecular Weight</b> 183.2066			Wiswesser Line Notation 1Y1&OV1OVY1&U1		
Wiswesser Line Notation T6NJ B1 CQ D1O1 E1Q			Evaluation A		
Evaluation B					
$C_9H_{14}BrN$ (c)		89VAN/WHI	$C_9H_{14}O_6$ (liq)		79FUC
3-Phenylpropylammonium bromide			Triacetin; Glyceryl triacetate		
<b>Phase Changes</b>			<b>Heat Capacity</b> 298.15 K,	$C_p = 402 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
c,III/c,II 357 K, $\Delta H = 10800 \text{ J}\cdot\text{mol}^{-1}$	$\Delta S = 3.63 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		One temperature.		
c,II/c,I 402 K, $\Delta H = 110 \text{ J}\cdot\text{mol}^{-1}$	$\Delta S = 0.03 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Molecular Weight</b> 218.2060		
<b>Molecular Weight</b> 216.1203			Wiswesser Line Notation 1VOY1OV1&1OV1		
Wiswesser Line Notation Z3R &EH			Evaluation B		
Evaluation A					
$C_9H_{14}ClN$ (c)		89VAN/WHI	$C_9H_{14}O_6$ (liq)		83RAB/KHL
3-Phenylpropylammonium chloride			Triacetin; Glyceryl triacetate		
<b>Phase Changes</b>			<b>Heat Capacity</b> 300 K,	$C_p = 384.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
c,III/c,II 343 K, $\Delta H = 6220 \text{ J}\cdot\text{mol}^{-1}$	$\Delta S = 2.18 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		Temperature range 9 to 320 K.		
c,II/c,I 368 K, $\Delta H = 4240 \text{ J}\cdot\text{mol}^{-1}$	$\Delta S = 1.39 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Entropy</b> 300 K, $S = 458.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		
<b>Molecular Weight</b> 171.6693			<b>Phase Changes</b>		
Wiswesser Line Notation Z3R &GH			c/liq 275.25 K, $\Delta H = 25800 \text{ J}\cdot\text{mol}^{-1}$		
Evaluation A			$\Delta S = 93.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		
			<b>Molecular Weight</b> 218.2060		
			Wiswesser Line Notation 1VOY1OV1&1OV1		
			Evaluation A		
			Data also given for vitreous and supercooled liquid states from 10 to 260 K. $T(\text{glass}) = 198 \text{ K}$ .		

$C_9H_{14}O_6$ (liq)		86NIL/WAD	$C_9H_{16}$ (liq)		72FIN/MC
Triacetin; Glyceryl triacetate			trans-Hexahydroindan		
<b>Heat Capacity</b> 298.15 K,	$C_p=389.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K,	$C_p=209.70 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
One temperature.			Temperature range 10 to 400 K.		
<b>Molecular Weight</b> 218.2060			<b>Entropy</b> 298.15 K,	$S=258.86 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Wiswesser Line Notation 1VOY1OV1&1OV1			<b>Phase Changes</b>		
<b>Evaluation</b> A			c/liq	213.86 K,	$\Delta H=10905.2 \text{ J}\cdot\text{mol}^{-1}$
					$\Delta S=50.99 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
$C_9H_{14}S$ (c)		61LAC/GOO	<b>Molecular Weight</b> 124.2254		
Thiaadamtane			Wiswesser Line Notation L56TJ -T		
<b>Heat Capacity</b> 298.15 K,	$C_p=213 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Evaluation</b> A		
One temperature.					
<b>Molecular Weight</b> 154.2696					
Wiswesser Line Notation					
<b>Evaluation</b> B					
$C_9H_{15}N_3O$ (c)		89KHO/ISK	$C_9H_{16}$ (liq)		79FUC/PE
2-Methyl-3-amino-4-methoxymethyl-5-aminomethylpyridine			Allylcyclohexane		
<b>Heat Capacity</b> 298.15 K,	$C_p=307.10 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K,	$C_p=233.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
One temperature.			One temperature.		
<b>Entropy</b> 298.15 K,	$S=370.25 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Molecular Weight</b> 124.2254		
<b>Molecular Weight</b> 181.2370			Wiswesser Line Notation L6TJ A2U1		
Wiswesser Line Notation T6NJ B1 CZ D1O1 E1Z			<b>Evaluation</b> B		
<b>Evaluation</b> B					
$C_9H_{16}$ (liq)		70CHA/MCC	$C_9H_{16}O_2$ (liq)		79FUC
cis-Bicyclo[6.1.0]nonane			Ethyl cyclohexanecarboxylate		
<b>Heat Capacity</b> 315 K,	$C_p=235.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K,	$C_p=271.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
One temperature.			One temperature.		
<b>Molecular Weight</b> 124.2254			<b>Molecular Weight</b> 156.2242		
Wiswesser Line Notation L38TJ -C			Wiswesser Line Notation L6TJ AVO2		
<b>Evaluation</b> B			<b>Evaluation</b> B		
$C_9H_{16}$ (liq)		62GOL/BEL	$C_9H_{16}O_4$ (c)		74CIN/BE
Hexahydroindan			Azelaic acid		
<b>Heat Capacity</b> 311 K,	$C_p=219.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Phase Changes</b>		
Temperatures 100, 200, 300 °F.			c/liq	380.0 K,	$\Delta H=32677 \text{ J}\cdot\text{mol}^{-1}$
<b>Molecular Weight</b> 124.2254					$\Delta S=85.98 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Wiswesser Line Notation L56TJ			<b>Molecular Weight</b> 188.2230		
<b>Evaluation</b> C			Wiswesser Line Notation QV7VQ		
			<b>Evaluation</b> B		
$C_9H_{16}$ (liq)		63GUD/CAM	$(C_9H_{17}N_3O_2 \cdot HBr)_n$ (c)		91RO
Hexahydroindan			Poly-L-lysine hydrobromide· alanine copolymer		
<b>Heat Capacity</b> 313 K,	$C_p=217.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 300 K,	$C_p=297.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 313 to 423 K.			Temperature range 220 to 390 K.		
<b>Molecular Weight</b> 124.2254			<b>Molecular Weight</b> 280.1641		
Wiswesser Line Notation L56TJ			Wiswesser Line Notation /*VY4Z &EH &MVYM*&1/-L		
<b>Evaluation</b> C			<b>Evaluation</b> B		
$C_9H_{16}$ (liq)		72FIN/MCC	$(C_9H_{17}N_3O_2 \cdot HBr)_n$ (c)		93ROL/WUN
cis-Hexahydroindan			Poly-L-lysine hydrobromide· alanine copolymer		
<b>Heat Capacity</b> 298.15 K,	$C_p=214.18 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 300 K,	$C_p=297.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 10 to 370 K.			Temperature range 220 to 390 K.		
<b>Entropy</b> 298.15 K,	$S=265.47 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Molecular Weight</b> 280.1641		
<b>Phase Changes</b>			Wiswesser Line Notation /*VY4Z &EH &MVYM*&1/-L		
c.III/c.II	182.28 K,		<b>Evaluation</b> B		
	$\Delta H=8262.6 \text{ J}\cdot\text{mol}^{-1}$				
	$\Delta S=45.33 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$				
c.II/c.I	184.9 K,				
	$\Delta H=395.0 \text{ J}\cdot\text{mol}^{-1}$				
	$\Delta S=2.14 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$				
c.I/liq	236.48 K,				
	$\Delta H=1397.0 \text{ J}\cdot\text{mol}^{-1}$				
	$\Delta S=5.91 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$				
<b>Molecular Weight</b> 124.2254					
Wiswesser Line Notation L56TJ -C					
<b>Evaluation</b> A					
$C_9H_{17}N_3O_4$ (c)		75DAU/DE	$C_9H_{17}N_3O_4$ (c)		
Tri-L-alanine			Temperature range 1 to 300 K. $C_p$ data given graphically only.		
<b>Heat Capacity</b>			<b>Entropy</b> 273 K,	$S=356.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
			<b>Molecular Weight</b> 231.2510		
			Wiswesser Line Notation ZY1&VMY1&VY1&VQ		
			<b>Evaluation</b> B		

**C<sub>9</sub>H<sub>17</sub>O<sub>2</sub>Tl (c)**

Thallium nonanoate

**Phase Changes**

c,IV/c,III 300 K,

$\Delta H = 1674 \text{ J} \cdot \text{mol}^{-1}$

$\Delta S = 5.44 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$

c,III/c,II 315 K,

$\Delta H = 2636 \text{ J} \cdot \text{mol}^{-1}$

$\Delta S = 8.37 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$

c,II/c,I 330 K,

$\Delta H = 7531 \text{ J} \cdot \text{mol}^{-1}$

$\Delta S = 22.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$

liq/liq 490 K,

$\Delta H = 2552 \text{ J} \cdot \text{mol}^{-1}$

$\Delta S = 5.02 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$

Mesophase-isotropic.

c,IIliq 410 K,

$\Delta H = 5021 \text{ J} \cdot \text{mol}^{-1}$

$\Delta S = 12.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$

Solid-mesophase.

**Molecular Weight** 361.6021**Wiswesser Line Notation** OV8 .TL**Evaluation** BMesophase-isotropic liquid transition, 490.0 K,  $\Delta H = 2760 \text{ J/mol}$ ,  $\Delta S = 5.65 \text{ J/mol} \cdot \text{K}$ .

## 76MEI/SEY

**C<sub>9</sub>H<sub>18</sub> (liq)**

n-Propylcyclohexane

**Heat Capacity** 298.15 K,  $C_p = 242.04 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ 

Temperature range 10 to 380 K.

**Entropy** 298.15 K,  $S = 311.88 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ **Phase Changes**c/liq 178.25 K,  $\Delta H = 13072 \text{ J} \cdot \text{mol}^{-1}$  $\Delta S = 58.19 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ **Molecular Weight** 126.2412**Wiswesser Line Notation** L6TJ A3**Evaluation** A

## 65FIN/MES

**C<sub>9</sub>H<sub>17</sub>O<sub>2</sub>Tl (c)**

Thallium nonanoate

## 89ROU/TUR

**Heat Capacity**

310 K,

$C_p = 393 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$

Temperature range 310 to 485 K.

**Phase Changes**

c,V/c,IV 259.3 K,

$\Delta H = 1039 \text{ J} \cdot \text{mol}^{-1}$

$\Delta S = 3.99 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$

c,IV/c,III 299.8 K,

$\Delta H = 1563 \text{ J} \cdot \text{mol}^{-1}$

$\Delta S = 5.24 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$

c,III/c,II 315.7 K,

$\Delta H = 2860 \text{ J} \cdot \text{mol}^{-1}$

$\Delta S = 9.06 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$

c,II/c,I 332.2 K,

$\Delta H = 6934 \text{ J} \cdot \text{mol}^{-1}$

$\Delta S = 20.87 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$

c,IIliq 410.9 K,

$\Delta H = 6053 \text{ J} \cdot \text{mol}^{-1}$

$\Delta S = 14.72 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$

Solid-mesophase.

**Molecular Weight** 361.6021**Wiswesser Line Notation** OV8 .TL**Evaluation** A**C<sub>9</sub>H<sub>18</sub> (liq)**

1-Nonene

## 90MES/TOD

**Heat Capacity**

298.15 K,

$C_p = 270.36 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$

Temperature range 10 to 330 K.

**Entropy**

298.15 K,

$S = 392.54 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$

**Phase Changes**

c,II/liq 191.604 K,

$\Delta H = 19969.79 \text{ J} \cdot \text{mol}^{-1}$

$\Delta S = 104.22 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$

c,I/liq 191.912 K,

$\Delta H = 19358.67 \text{ J} \cdot \text{mol}^{-1}$

$\Delta S = 100.87 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$

**Molecular Weight** 126.2412**Wiswesser Line Notation** 8U1**Evaluation** A**C<sub>9</sub>H<sub>18</sub> (liq)**

n-Butylcyclopentane

## 65MES/TOD2

**Heat Capacity**

298.15 K,

$C_p = 245.35 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$

Temperature range 12 to 370 K.

**Entropy**

298.15 K,

$S = 343.84 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$

**Phase Changes**

c/liq 165.18 K,

$\Delta H = 11314 \text{ J} \cdot \text{mol}^{-1}$

$\Delta S = 68.49 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$

**Molecular Weight** 126.2412**Wiswesser Line Notation** L5TJ A4**Evaluation** A**C<sub>9</sub>H<sub>18</sub>N<sub>2</sub>O<sub>2</sub> (c)**

N-Acetylleucine-N'-methylamide(DL); 2-(Acetylamino)-N,4-dimethylpentanamide(DL)

**Heat Capacity** 298 K,  $C_p = 274.38 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ 

Data extrapolated to 298 K from values obtained at higher temperatures.

**Molecular Weight** 186.2534**Wiswesser Line Notation** 1VMY1Y1&1&VM1 -DL**Evaluation** C

## 91ABA/DEL

N-Acetylleucine-N'-methylamide(L); 2-(Acetylamino)-N,4-dimethylpentanamide(L)

**Heat Capacity** 298 K,  $C_p = 281.49 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ 

Data extrapolated to 298 K from values obtained at higher temperatures.

**Molecular Weight** 186.2534**Wiswesser Line Notation** 1VMY1Y1&1&VM1 -L**Evaluation** C

## 91ABA/DEL

N-Acetylsoleucine-N'-methylamide(DL); 2-(Acetylamino)-N,3-dimethylpentanamide(DL)

**Heat Capacity** 298 K,  $C_p = 269.32 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ 

Data extrapolated to 298 K from values obtained at higher temperatures.

**Molecular Weight** 186.2534**Wiswesser Line Notation** 1VMY2&1&VM1 -DL**Evaluation** C

## 91ABA/DEL

N-Acetylsoleucine-N'-methylamide(L); 2-(Acetylamino)-N,3-dimethylpentanamide(L)

**Heat Capacity** 298 K,  $C_p = 272.27 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ 

Data extrapolated to 298 K from values obtained at higher temperatures.

**Molecular Weight** 186.2534**Wiswesser Line Notation** 1VMY2&1&VM1 -L**Evaluation** C

## 91ABA/DEL

N-Acetylnorleucine-N'-methylamide(DL); 2-(Acetylamino)-N-methylhexanamide(DL)

**Heat Capacity** 298 K,  $C_p = 287.74 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ 

Data extrapolation to 298 K from values obtained at higher temperatures.

**Molecular Weight** 186.2534**Wiswesser Line Notation** 1VMY4&VM1 -DL**Evaluation** C

$C_9H_{18}N_2O_3$ (c)		89KUL/KOZ	$C_9H_{18}O$ (liq)		82DYA/VA
α-Alanyl norleucine(DL)			Nonanal; Pelargonaldehyde		
<b>Heat Capacity</b> 298 K,	$C_p=275.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Entropy</b> 298.15 K,	$S=397.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 298 to 348 K.			<b>Phase Changes</b>		
<b>Molecular Weight</b> 202.2528		c/liq			
Wiswesser Line Notation ZY1&VMY4&VQ			<b>Molecular Weight</b> 142.2406		
<b>Evaluation</b> C			Wiswesser Line Notation VH8		
			<b>Evaluation</b> B		
$C_9H_{18}N_2O_3$ (c)		90BAD/KUJII	$C_9H_{18}O$ (liq)		84VAS/PF
Alanyl norleucine(DL)			Nonanal; Pelargonaldehyde		
<b>Heat Capacity</b> 298 K,	$C_p=276 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K,	$C_p=290.26 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 298, 313, 333, 348 K.			Temperature range 10 to 340 K.		
<b>Molecular Weight</b> 202.1738			<b>Entropy</b> 298.15 K,	$S=396.97 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Wiswesser Line Notation ZY1&VMY4&VQ -DL			<b>Phase Changes</b>		
<b>Evaluation</b> D		c/liq			
			<b>Molecular Weight</b> 142.2406		
 			Wiswesser Line Notation VH8		
$C_9H_{18}O$ (liq)		89VES/BAR	<b>Evaluation</b> A		
2,6-Dimethyl-4-heptanone; Diisobutylketone					
<b>Heat Capacity</b> 298.15 K,	$C_p=297.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		 		
Temperature range 298.15 to 318.15 K.			$C_9H_{18}O_2$ (liq)		84VAS/PF
<b>Molecular Weight</b> 142.2406			Butyl pentanoate; Butyl ester of pentanoic acid		
Wiswesser Line Notation 1Y1&1V1Y1&1			<b>Heat Capacity</b> 300 K,	$C_p=311.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Evaluation</b> A			Temperature range 190 to 370 K.		
			<b>Phase Changes</b>		
 			c/liq	189.37 K,	$\Delta H=17600 \text{ J}\cdot\text{mol}^{-1}$
$C_9H_{18}O$ (liq)		92SVO/KUB			$\Delta S=92.94 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
2,6-Dimethyl-4-heptanone; Diisobutylketone					
<b>Phase Changes</b>			<b>Molecular Weight</b> 158.2400		
liq/g	379.3 K,		Wiswesser Line Notation 4OV4		
Value corrected to 298.15 K, obtained by extrapolation.			<b>Evaluation</b> A		
<b>Molecular Weight</b> 142.2406					
Wiswesser Line Notation 1Y1&1V1Y1&1					
<b>Evaluation</b> A					
$C_9H_{18}O$ (liq)		70AND/COU	$C_9H_{18}O_2$ (liq)		84VAS/PI
5-Nonanone; Di-n-butyl ketone			Amyl butanoate; Pentyl butanoate		
<b>Heat Capacity</b> 298.15 K,	$C_p=303.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 300 K,	$C_p=311.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 10 to 320 K.			Temperature range 200 to 370 K.		
<b>Entropy</b> 298.15 K,	$S=401.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Phase Changes</b>		
<b>Phase Changes</b>			c/liq	200.48 K,	$\Delta H=20010 \text{ J}\cdot\text{mol}^{-1}$
c,II/c,I	110 K,				$\Delta S=99.81 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c,I/liq	269.31 K,				
<b>Molecular Weight</b> 142.2406			<b>Molecular Weight</b> 158.2400		
Wiswesser Line Notation 4V4			Wiswesser Line Notation 5OV3		
<b>Evaluation</b> A			<b>Evaluation</b> A		
$C_9H_{18}O$ (liq)		70HAR/HEA	$C_9H_{18}O_2$ (liq)		88PIN/BI
5-Nonanone; Di-n-butyl ketone			Methyl octanoate		
<b>Heat Capacity</b> 298.15 K,	$C_p=303.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K,	$C_p=314.23 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
One temperature.			One temperature.		
<b>Molecular Weight</b> 142.2406			<b>Molecular Weight</b> 158.2400		
Wiswesser Line Notation 4V4			Wiswesser Line Notation 7VO1		
<b>Evaluation</b> B			<b>Evaluation</b> B		
$C_9H_{18}O$ (liq)		79SAL/PEA	$C_9H_{18}O_2$ (liq)		24GAR/R
5-Nonanone; Di-n-butyl ketone			Nonanoic acid; Pelargonic acid		
<b>Heat Capacity</b> 298.15 K,	$C_p=306.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 304 K,	$C_p=333.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
One temperature.			Temperature range -9 to 44 °C. Mean value 18 to 44 °C.		
<b>Molecular Weight</b> 142.2406			<b>Phase Changes</b>		
Wiswesser Line Notation 4V4			c,II/c,I	268 K,	$\Delta H=5560 \text{ J}\cdot\text{mol}^{-1}$
<b>Evaluation</b> B			c,I/liq	285.5 K,	$\Delta S=20.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
					$\Delta H=20290 \text{ J}\cdot\text{mol}^{-1}$
					$\Delta S=71.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
 			<b>Molecular Weight</b> 158.2400		
$C_9H_{18}O$ (liq)			Wiswesser Line Notation QV8		
5-Nonanone; Di-n-butyl ketone			<b>Evaluation</b> B		
<b>Heat Capacity</b> 298.15 K,					
One temperature.					
<b>Molecular Weight</b> 142.2406					
Wiswesser Line Notation 4V4					
<b>Evaluation</b> B					

<b>C<sub>9</sub>H<sub>18</sub>O<sub>2</sub></b> (liq)	82SCH/MIL	<b>C<sub>9</sub>H<sub>20</sub></b> (liq)	76FIN/MES
Nonanoic acid; Pelargonic acid		3,3-Diethylpentane; Tetraethylmethane	
<b>Heat Capacity</b> 298.15 K,	$C_p=362.37 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p=278.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 80 to 310 K.		Temperature range 10 to 400 K.	
<b>Phase Changes</b>		<b>Entropy</b> 298.15 K,	$S=333.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c,II/c,I	263.0 K,	c,III/c,II	$\Delta H=483.7 \text{ J}\cdot\text{mol}^{-1}$
	$\Delta H=8150 \text{ J}\cdot\text{mol}^{-1}$		$\Delta S=2.32 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c,I/liq	285.53 K,	c,II/c,I	$\Delta H=810.4 \text{ J}\cdot\text{mol}^{-1}$
	$\Delta H=19823 \text{ J}\cdot\text{mol}^{-1}$		$\Delta S=3.85 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
	$\Delta S=69.42 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	c,I/liq	$\Delta H=10089.7 \text{ J}\cdot\text{mol}^{-1}$
<b>Molecular Weight</b> 158.2400			$\Delta S=42.02 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Wiswesser Line Notation</b> QV8			
<b>Evaluation</b>	B		
<b>C<sub>9</sub>H<sub>18</sub>O<sub>4</sub></b> (liq)	82BIR/SIK	<b>C<sub>9</sub>H<sub>20</sub></b> (liq)	79FUC/PEA
2-(2'-Hydroxyethoxy)ethyl pivalate		3,3-Diethylpentane; Tetraethylmethane	
<b>Heat Capacity</b> 298.15 K,	$C_p=311.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p=278.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 270 to 370 K. Equation only. $C_p=63.18+0.2288 T+0.002671 T^2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ , (adjusted).		One temperature.	
<b>Molecular Weight</b> 190.2388			
<b>Wiswesser Line Notation</b> Q2O2OVX1&1&1			
<b>Evaluation</b>	C		
<b>C<sub>9</sub>H<sub>20</sub></b> (liq)	76FIN/MES	<b>C<sub>9</sub>H<sub>20</sub></b> (liq)	30PAR/HUF
2,2,4,4-Tetramethylpentane		n-Nonane	
<b>Heat Capacity</b> 298.15 K,	$C_p=266.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b> 299.1 K,	$C_p=281.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 10 to 400 K.		Temperature range 224 to 299 K. Value is unsmoothed experimental datum.	
<b>Entropy</b> 298.15 K,	$S=331.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		
<b>Phase Changes</b>			
c/liq	206.61 K,	<b>Molecular Weight</b> 128.2570	
	$\Delta H=9744.1 \text{ J}\cdot\text{mol}^{-1}$	<b>Wiswesser Line Notation</b> 2X2&2&2	
	$\Delta S=47.16 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Evaluation</b>	B
<b>Molecular Weight</b> 128.2570			
<b>Wiswesser Line Notation</b> 1X1&1&1X1&1&1			
<b>Evaluation</b>	A		
<b>C<sub>9</sub>H<sub>20</sub></b> (liq)	76FIN/MES	<b>C<sub>9</sub>H<sub>20</sub></b> (liq)	31HUF/PAR
2,2,3,3-Tetramethylpentane		n-Nonane	
<b>Heat Capacity</b> 298.15 K,	$C_p=271.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b> 297.9 K,	$C_p=280.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 10 to 400 K.		Temperature range 93 to 298 K. Value is unsmoothed experimental datum.	
<b>Entropy</b> 298.15 K,	$S=334.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Entropy</b> 298.1 K,	$S=392.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Phase Changes</b>		Extrapolation below 90 K, 83.09 $\text{J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ .	
c,II/c,I	174.45 K,	<b>Phase Changes</b>	
	$\Delta H=7325.45 \text{ J}\cdot\text{mol}^{-1}$	c,I/liq	$\Delta H=22121 \text{ J}\cdot\text{mol}^{-1}$
	$\Delta S=41.99 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		$\Delta S=100.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c,I/liq	263.40 K,	Included heat effect due to transition just below melting point.	
	$\Delta H=2332.6 \text{ J}\cdot\text{mol}^{-1}$	<b>Molecular Weight</b> 128.2570	
	$\Delta S=8.86 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Wiswesser Line Notation</b> 9H	
<b>Molecular Weight</b> 128.2570		<b>Evaluation</b>	B(C <sub>p</sub> )C(S)
<b>Wiswesser Line Notation</b> 2X1&1&X1&1&1			
<b>Evaluation</b>	A		
<b>C<sub>9</sub>H<sub>20</sub></b> (liq)	54STA/WAR	<b>C<sub>9</sub>H<sub>20</sub></b> (liq)	47OSB/GIN
3,3-Diethylpentane; Tetraethylmethane		n-Nonane	
<b>Heat Capacity</b> 260 K,	$C_p=260.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p=284.01 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 90 to 260 K.		Temperature range 278 to 318 K.	
<b>Phase Changes</b>		<b>Molecular Weight</b> 128.2570	
c,II/c,I	210.1 K,	<b>Wiswesser Line Notation</b> 9H	
	$\Delta H=1272 \text{ J}\cdot\text{mol}^{-1}$	<b>Evaluation</b>	A
Combined heats of transition for multiple phases.			
c,I/liq	240.13 K,		
	$\Delta H=10033 \text{ J}\cdot\text{mol}^{-1}$		
	$\Delta S=47.82 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		
Combined entropies of fusion and transition.			
<b>Molecular Weight</b> 128.2570			
<b>Wiswesser Line Notation</b> 2X2&2&2			
<b>Evaluation</b>	B		

<b>C<sub>9</sub>H<sub>20</sub></b> (liq) n-Nonane <b>Heat Capacity</b> 298.15 K, Temperature range 12 to 320 K. <b>Entropy</b> 298.15 K, <b>Phase Changes</b> c,II/c,I 217.2 K, c,I/liq 219.66 K, <b>Molecular Weight</b> 128.2570 <b>Wiswesser Line Notation</b> 9H <b>Evaluation</b> A	54FIN/GRO2 $C_p=284.39 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ $S=393.67 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ $\Delta H=6280 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=28.91 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ $\Delta H=15468 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=70.42 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>C<sub>9</sub>H<sub>20</sub></b> (liq) n-Nonane <b>Heat Capacity</b> 318.15 K, Temperature range 318 to 373 K. p=0.1 MPa. <b>Molecular Weight</b> 128.2570 <b>Wiswesser Line Notation</b> 9H <b>Evaluation</b> B	91BAN/GA $C_p=292.18 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>C<sub>9</sub>H<sub>20</sub></b> (liq) n-Nonane <b>Heat Capacity</b> 350 K, Mean value over the temperature range 22 to 129 °C. <b>Molecular Weight</b> 128.2570 <b>Wiswesser Line Notation</b> 9H <b>Evaluation</b> C	58SWI/ZIE $C_p=322.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>C<sub>9</sub>H<sub>20</sub></b> (liq) n-Nonane <b>Heat Capacity</b> 298.15 K, One temperature. <b>Molecular Weight</b> 128.2570 <b>Wiswesser Line Notation</b> 9H <b>Evaluation</b> B	91TRE/CC $C_p=284.34 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>C<sub>9</sub>H<sub>20</sub></b> (liq) n-Nonane <b>Heat Capacity</b> Data in document deposited at VINITI, No. 880-77, March 10, 1977. <b>Molecular Weight</b> 128.2570 <b>Wiswesser Line Notation</b> 9H <b>Evaluation</b> B (for deposited data)	77MUS	<b>C<sub>9</sub>H<sub>20</sub>N<sub>2</sub>O</b> (liq) Tetraethylurea; Tetraethylcarbamide <b>Heat Capacity</b> 298.15 K, Temperature range 160 to 370 K. $C_p(c)=77.10+0.7804 T$ (160 to 2 K); $C_p(\text{liq})=235.75+0.4019 T$ (290 to 370 K) $\text{J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ . <b>Phase Changes</b> c/liq 253 K. $\Delta H=20550 \text{ J}\cdot\text{mol}^{-1}$ <b>Molecular Weight</b> 172.2698 <b>Wiswesser Line Notation</b> 2N2&VN2&2 <b>Evaluation</b> B	90KOZ/SI $C_p=355.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>C<sub>9</sub>H<sub>20</sub></b> (liq) n-Nonane <b>Heat Capacity</b> One temperature. <b>Molecular Weight</b> 128.2570 <b>Wiswesser Line Notation</b> 9H <b>Evaluation</b> B	79GRO/HAM $C_p=284.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>C<sub>9</sub>H<sub>20</sub>N<sub>2</sub>O</b> (c) 1,3-Dibutylurea <b>Heat Capacity</b> Temperature range 298, 323, 363 K. <b>Phase Changes</b> c,II/c,I 311.5 K. $\Delta H=11100 \text{ J}\cdot\text{mol}^{-1}$ c/liq 346.9 K. $\Delta S=35.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ $\Delta H=14870 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=42.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ <b>Molecular Weight</b> 172.2698 <b>Wiswesser Line Notation</b> 4MVM4 <b>Evaluation</b> A	87DEL/FI $C_p=355.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>C<sub>9</sub>H<sub>20</sub></b> (liq) n-Nonane <b>Heat Capacity</b> 298.15 K, One temperature. <b>Molecular Weight</b> 128.2570 <b>Wiswesser Line Notation</b> 9H <b>Evaluation</b> A	82WIL/ING $C_p=283.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>C<sub>9</sub>H<sub>20</sub>O</b> (c) 2,2,4,4-Tetramethylpentan-3-ol <b>Phase Changes</b> c,II/c,I 263 K. $\Delta H=1900 \text{ J}\cdot\text{mol}^{-1}$ c,I/liq 322 K. $\Delta S=7.03 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ $\Delta H=7300 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=22.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ <b>Molecular Weight</b> 144.2564 <b>Wiswesser Line Notation</b> 1X1&1&YQX1&1&1 <b>Evaluation</b> B	90BAT/J/ $C_p=342.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>C<sub>9</sub>H<sub>20</sub></b> (liq) n-Nonane <b>Heat Capacity</b> 323 K, Temperature range 298, 323, 363 K. <b>Molecular Weight</b> 128.2570 <b>Wiswesser Line Notation</b> 9H <b>Evaluation</b> B	82ZAR $C_p=293.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>C<sub>9</sub>H<sub>20</sub>O</b> (liq) 1-Nonalol; n-Nonyl alcohol <b>Heat Capacity</b> 304.17 K. $C_p=342.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Temperature range 304 to 464 K. p=0.98 bar. <b>Molecular Weight</b> 144.2564 <b>Wiswesser Line Notation</b> Q9 <b>Evaluation</b> B	79GRI/Y.
<b>C<sub>9</sub>H<sub>20</sub></b> (liq) n-Nonane <b>Heat Capacity</b> 298.15 K, One temperature. <b>Molecular Weight</b> 128.2570 <b>Wiswesser Line Notation</b> 9H <b>Evaluation</b> B	88AND/PAT $C_p=284.76 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		

$C_9H_{20}O$ (liq)		86NAZ/BAS2	$C_9H_{21}CaCl_2N_3O_6$ (c,l)		81LOP/TEL
1-Nonanol; n-Nonyl alcohol			Tris(sarcosine) calcium chloride		
<b>Heat Capacity</b>	303.1 K,	$C_p=356.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>		
Temperature range 303 to 474 K. p=0.1 MPa. Unsmoothed experimental datum given as 2.470 kJ/kg·K.			Temperature range 50 to 330 K. Data given graphically.		
<b>Molecular Weight</b>	144.2564		<b>Phase Changes</b>		
<b>Wiswesser Line Notation</b>	Q9		c,II/c,I	130.27 K,	$\Delta H=165.3 \text{ J}\cdot\text{mol}^{-1}$
<b>Evaluation</b>	B				$\Delta S=1.34 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
$C_9H_{20}O_4$ (liq)		82ZAR			
Tripropylene glycol					
<b>Heat Capacity</b>	298 K,	$C_p=440.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
Temperature range 298, 323, 363 K.					
<b>Molecular Weight</b>	192.2546				
<b>Wiswesser Line Notation</b>	QYOYOYQ				
<b>Evaluation</b>	B				
$C_9H_{21}Al$ (liq)		84SHE/NIS	$C_9H_{24}N_6S_3$ (c,l)		2COP/GAN
Tripropylaluminum			Thiourea-cyclohexane adduct; Cyclohexane-thiourea adduct		
<b>Heat Capacity</b>	298.15 K,	$C_p=340.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p=139.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 5 to 300 K.			Temperature range 14 to 297 K. Values for one mole of thiourea.		
<b>Entropy</b>	298.15 K,	$S=370.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Entropy</b>	298.15 K,	$S=173.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b>	156.2464				
<b>Wiswesser Line Notation</b>	3-AL-3&3				
<b>Evaluation</b>	A				
T(glass)=149.0 K.					
$C_9H_{21}Al$ (liq)		91SHE/RAB	<b>Phase Changes</b>		
Tripropylaluminum			c,VI/c,V	128.8 K,	$\Delta H=3540 \text{ J}\cdot\text{mol}^{-1}$
<b>Heat Capacity</b>	298.15 K,	$C_p=340.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			$\Delta S=27.50 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 14 to 327 K.			c,V/c,IV	130–150 K,	$\Delta H=1026 \text{ J}\cdot\text{mol}^{-1}$
<b>Entropy</b>	298.15 K,	$S=370.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			$\Delta S=7.25 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b>	156.2464		c,IV/c,III	153–161 K,	$\Delta H=112 \text{ J}\cdot\text{mol}^{-1}$
<b>Wiswesser Line Notation</b>	3-AL-3&3				$\Delta S=0.78 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Evaluation</b>	A		c,III/c,II	170.8 K,	$\Delta H=440 \text{ J}\cdot\text{mol}^{-1}$
T(glass)=149 K.					$\Delta S=2.60 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
$C_9H_{21}CaCl_2N_3O_6$ (c,l)		79MAT/MAN	c,II/c,I	210–240 K,	$\Delta H=260 \text{ J}\cdot\text{mol}^{-1}$
Tris(sarcosine) calcium chloride					$\Delta S=1.18 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Heat Capacity</b>	298.15 K,	$C_p=425.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Molecular Weight</b>	312.5088	
Temperature range 13 to 300 K.			<b>Wiswesser Line Notation</b>	ZYZUS 3 &L6TJ	
<b>Entropy</b>	298.15 K,	$S=534.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Evaluation</b>	A	
<b>Phase Changes</b>					
c,II/c,I	130.8 K,	$\Delta H=446 \text{ J}\cdot\text{mol}^{-1}$			
		$\Delta S=4.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
Second order ferroelectric transition. $\Delta S$ is not equal to the isothermal $\Delta H/T$ .					
<b>Molecular Weight</b>	378.2674				
<b>Wiswesser Line Notation</b>	OV1M1 3 &CA.G2				
<b>Evaluation</b>	A				
$C_9H_{21}CaCl_2N_3O_6$ (c)		80LOP/TEL	$C_9H_{24}Si_2$ (c)		75GUS/KAR
Tris(sarcosine) calcium chloride			1,3-Bis(trimethylsilyl)propane		
<b>Heat Capacity</b>	300 K,	$C_p=424 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p=394.34 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 50 to 330 K. Data given graphically. Value is an estimate from graph.			Temperature range 10 to 300 K. Data given graphically.		
<b>Phase Changes</b>			<b>Entropy</b>	298.15 K,	$S=517.14 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c,II/c,I	130.27 K		<b>Phase Changes</b>		
<b>Molecular Weight</b>	378.2674		c/liq	223.73 K,	$\Delta H=16058 \text{ J}\cdot\text{mol}^{-1}$
<b>Wiswesser Line Notation</b>	OV1M1 3 &CA.G2				$\Delta S=71.76 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Evaluation</b>	C		liq/g	-444.52 K,	$\Delta H=43095 \text{ J}\cdot\text{mol}^{-1}$
					$\Delta S=96.99 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
$C_9H_{21}CaCl_2N_3O_6$ (c,l)			<b>Molecular Weight</b>	188.4596	
Tris(sarcosine) calcium chloride			<b>Wiswesser Line Notation</b>	1-SI-1&1&3-SI-1&1&1	
<b>Heat Capacity</b>	300 K,	$C_p=424 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Evaluation</b>	B	
Temperature range 50 to 330 K. Data given graphically. Value is an estimate from graph.					
<b>Phase Changes</b>					
c,II/c,I	130.27 K				
<b>Molecular Weight</b>	378.2674				
<b>Wiswesser Line Notation</b>	OV1M1 3 &CA.G2				
<b>Evaluation</b>	C				

<b>C<sub>10</sub>D<sub>10</sub>Fe</b> (c)		83SHI/SOR	<b>C<sub>10</sub>F<sub>18</sub></b> (liq)		81ZHO/KOS2
Ferrocene-d <sub>10</sub>			trans-Perfluorodecalin		
<b>Heat Capacity</b>			<b>Heat Capacity</b>	298.15 K,	$C_p=446.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 13 to 300 K. Data graphically only.			Temperature range 6 to 310 K.		
<b>Phase Changes</b>			<b>Entropy</b>	298.15 K,	$S=517.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c,III/c,II	164.1 K,	$\Delta H=878 \text{ J}\cdot\text{mol}^{-1}$	c/liq	294.61 K,	$\Delta H=17962 \text{ J}\cdot\text{mol}^{-1}$
		$\Delta S=5.27 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			$\Delta S=61.09 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Lambda type transition in the metastable state.			<b>Molecular Weight</b>	462.0812	
c,II/c,I	251 K,	$\Delta H=4230 \text{ J}\cdot\text{mol}^{-1}$	Wiswesser Line Notation L66TTJ AF BF BF CF CF DF DF		
		$\Delta S=16.83 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	EF EF FF GF GF HF HF IF IF JF JF -T		
Phase transition between stable LT and stable HT phases.			<b>Evaluation</b>	B	
<b>Molecular Weight</b>	196.1150				
Wiswesser Line Notation L5φJ &1A-E/H-2 5φ-FE- φL5φJ &1A-E/H-2 5					
<b>Evaluation</b>	A				
<b>C<sub>10</sub>D<sub>10</sub>Fe</b> (c)		84SOR/SHI	<b>C<sub>10</sub>H<sub>2</sub>N<sub>4</sub></b> (c)		76CLA/WOF
Ferrocene-d <sub>10</sub>			1,2,4,5-Tetracyanobenzene		
<b>Heat Capacity</b>	298.15 K,	$C_p=221.94 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p=222.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 13 to 300 K.			Temperature range 5 to 300 K.		
<b>Entropy</b>	298.15 K,	$S=233.18 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Entropy</b>	298.15 K,	$S=252.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Phase Changes</b>			<b>Molecular Weight</b>	178.1526	
c,III/c,II	164.1 K,	$\Delta H=878 \text{ J}\cdot\text{mol}^{-1}$	Wiswesser Line Notation NCR BCN DCN ECN		
		$\Delta S=5.27 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Evaluation</b>	A	
Lambda transition. Secondary $C_p$ maximum at 172 K.					
c,II/c,I	251 K,	$\Delta H=4230 \text{ J}\cdot\text{mol}^{-1}$	 		
		$\Delta S=16.83 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
<b>Molecular Weight</b>	196.1150				
Wiswesser Line Notation L5φJ &1A-E/H-2 5φ-FE- φL5φJ &1A-E/H-2 5					
<b>Evaluation</b>	A				
Data also given for the metastable phases over temperature range 10 to 250 K.					
<b>C<sub>10</sub>F<sub>16</sub></b> (liq)		81ZHO/KOS	<b>C<sub>10</sub>H<sub>2</sub>O<sub>6</sub></b> (c)		73KAR/MOC
Perfluorobicyclo[4.4.0]dec-1,6-diene			Pyromellitic dianhydride		
<b>Heat Capacity</b>	298.15 K,	$C_p=428.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	300 K,	$C_p=219.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 6 to 300 K. 0.41 mole % impurity of sample			Temperature range 20 to 300 K.		
<b>Entropy</b>	298.15 K,	$S=491.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Entropy</b>	300 K,	$S=236.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Phase Changes</b>			<b>Molecular Weight</b>	218.1222	
c,III/c,II	200.0 K,	$\Delta H=794 \text{ J}\cdot\text{mol}^{-1}$	Wiswesser Line Notation T C565 DVOV JVOVJ		
		$\Delta S=3.77 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Evaluation</b>	A	
c,II/c,I	233.4 K,	$\Delta H=1113 \text{ J}\cdot\text{mol}^{-1}$			
		$\Delta S=4.77 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
c,I/liq	264.09 K,	$\Delta H=10473 \text{ J}\cdot\text{mol}^{-1}$			
		$\Delta S=39.66 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
<b>Molecular Weight</b>	424.0844				
Wiswesser Line Notation L66 AU FUTJ BF BF CF CF DF DF EF EF GF					
GF HF HF IF IF JF JF					
<b>Evaluation</b>	A				
<b>C<sub>10</sub>F<sub>18</sub></b> (liq)		81ZHO/KOS2	<b>C<sub>10</sub>H<sub>2</sub>O<sub>6</sub></b> (c)		77KAR/BAZ
cis-Perfluorodecalin			Pyromellitic dianhydride		
<b>Heat Capacity</b>	298.15 K,	$C_p=449.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	300 K,	$C_p=219.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 6 to 310 K.			Temperature range 60 to 400 K.		
<b>Entropy</b>	298.15 K,	$S=514.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Entropy</b>	300 K,	$S=242.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Phase Changes</b>			<b>Molecular Weight</b>	218.1222	
c,II/c,I	232.5 K,	$\Delta H=4243 \text{ J}\cdot\text{mol}^{-1}$	Wiswesser Line Notation T C565 DVOV JVOVJ		
		$\Delta S=18.24 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Evaluation</b>	B	
c,I/liq	266.70 K,	$\Delta H=10305 \text{ J}\cdot\text{mol}^{-1}$			
		$\Delta S=38.62 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
<b>Molecular Weight</b>	462.0812				
Wiswesser Line Notation L66TTJ AF BF BF CF CF DF DF EF EF FF					
GF GF HF HF IF IF JF JF -C					
<b>Evaluation</b>	B				
<b>C<sub>10</sub>H<sub>2</sub>O<sub>6</sub></b> (c)		78MAR/CIO:	<b>C<sub>10</sub>H<sub>2</sub>O<sub>6</sub></b> (c)		
Pyromellitic dianhydride			Pyromellitic dianhydride		
<b>Heat Capacity</b>	298.15 K,		<b>Heat Capacity</b>	298.15 K,	$C_p=231.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 298 to 580 K.			Temperature range 298 to 580 K.		
<b>Phase Changes</b>			<b>Phase Changes</b>		
c/liq	557.15 K,		c/liq	557.15 K,	$\Delta H=15828 \text{ J}\cdot\text{mol}^{-1}$
					$\Delta S=28.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b>	218.1222		<b>Molecular Weight</b>	218.1222	
Wiswesser Line Notation T C565 DVOV JVOVJ			Wiswesser Line Notation T C565 DVOV JVOVJ		
<b>Evaluation</b>	D		<b>Evaluation</b>	D	

$C_{10}H_5Cu$ (c)		82BYK/LEB	$C_{10}H_7Cl$ (liq)		86WIL/LAI
Copper phenylethynylacetylenide			1-Chloronaphthalene		
<b>Heat Capacity</b> 298.15 K,	$C_p = 184.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K,	$C_p = 211.28 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 5 to 330 K.			One temperature.		
<b>Entropy</b> 298.15 K,	$S = 202.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Molecular Weight</b> 162.6183		
<b>Molecular Weight</b> 188.6955			<b>Wiswesser Line Notation</b> L66J BG		
<b>Wiswesser Line Notation</b> -CU-1UU2UU1R			<b>Evaluation</b> B		
<b>Evaluation</b> A					
$C_{10}H_6N_2O_4$ (c)		41SAT/SOG4	$C_{10}H_7Cl$ (liq)		88COS/HUU
1,5-Dinitronaphthalene			1-Chloronaphthalene		
<b>Heat Capacity</b> 323 K,	$C_p = 259.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K,	$C_p = 212.60 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 0 to 100 °C. Mean value.			One temperature.		
<b>Molecular Weight</b> 218.1684			<b>Molecular Weight</b> 162.6183		
<b>Wiswesser Line Notation</b> L66J BNW GNW			<b>Wiswesser Line Notation</b> L66J BG		
<b>Evaluation</b> C			<b>Evaluation</b> B		
Same data in 40SAT/SOG5.					
$C_{10}H_6N_2O_4$ (c)		41SAT/SOG4	$C_{10}H_7Cl$ (c)		78LOY/REY
1,8-Dinitronaphthalene			2-Chloronaphthalene		
<b>Heat Capacity</b> 323 K,	$C_p = 254.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 250 K,	$C_p = 150 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 0 to 100 °C. Mean value.			Temperature range 4.2 to 300 K. Data given graphically and estimated from graph. Transition at 308 K makes heat capacity at 298 K anomalous.		
<b>Molecular Weight</b> 218.1684			<b>Phase Changes</b>		
<b>Wiswesser Line Notation</b> L66J BNW JNW			c.III/c.II 12 K Anomalous transition.		
<b>Evaluation</b> C			c.II/c.I 308 K Anomalous transition.		
Same data in 40SAT/SOG5.			<b>Molecular Weight</b> 162.6183		
 			<b>Wiswesser Line Notation</b> L66J CG		
$C_{10}H_6OS_2$ (c)		75CUC	<b>Evaluation</b> D( $C_p$ ): C(Phase changes)		
Naphthalene-1,8-disulfide-S-oxide			 		
<b>Heat Capacity</b> 298 K,	$C_p = 518.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		$C_{10}H_7Cl$ (c)		91VAN/VER
Temperature range 298 to 473 K.			2-Chloronaphthalene		
<b>Phase Changes</b>			<b>Heat Capacity</b> 298.15 K,	$C_p = 235.64 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
c/Iiq 363 K,	$\Delta H = 13390 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 36.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		Temperature range 5 to 370 K. There is an extended solid-to-solid transition between 260 and 309 K, of two regions, between 260–290 and 290–309 K.		
<b>Molecular Weight</b> 206.2768			<b>Entropy</b> 298.15 K, $S = 202.13 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		
<b>Wiswesser Line Notation</b> T566 1A L CSSJ CO			<b>Phase Changes</b>		
<b>Evaluation</b> B			c.II/c.I 309 K		
 			c.II/Iiq 331.17 K, $\Delta H = 14004 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 42.29 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		
$C_{10}H_7Br$ (c)		81CHA/HAG	<b>Molecular Weight</b> 162.6183		
2-Bromonaphthalene			<b>Wiswesser Line Notation</b> L66J CG		
<b>Phase Changes</b>			<b>Evaluation</b> A		
c.III/c.I 319 K,	$\Delta H = 5770 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 18.09 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		$C_p(\text{liq}) = 100.208 + 0.37864(T/K) \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ (333 to 368 K).		
c.I/Iiq 329 K,	$\Delta H = 14400 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 43.77 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		$C_p(c) = 58.978 + 0.46312(T/K) \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ (315 to 325 K).		
A second order transition occurs between crystalline phases c.I and c.II over the temperature range 275 to 319 K.			 		
<b>Molecular Weight</b> 207.0693			$C_{10}H_7F$ (c)		78LOY/REY
<b>Wiswesser Line Notation</b> L66J CE			2-Fluoronaphthalene		
<b>Evaluation</b> A			<b>Heat Capacity</b> 250 K,	$C_p = 190 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
 			Temperature range 4.2 to 300 K. Data given graphically and estimated from graph. Transition at 277 K makes heat capacity at 298 K anomalous.		
$C_{10}H_7Cl$ (liq)		81GRO/ING	<b>Phase Changes</b>		
1-Chloronaphthalene			c.IV/c.II 161 K Anomalous transition: sharp peak.		
<b>Heat Capacity</b> 298.15 K,	$C_p = 211.37 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		c.III/c.II 240 K Anomalous transition.		
One temperature.			c.II/c.I 277 K Anomalous transition.		
<b>Molecular Weight</b> 162.6183			c.II/Iiq 331 K		
<b>Wiswesser Line Notation</b> L66J BG			<b>Molecular Weight</b> 146.1637		
<b>Evaluation</b> B			<b>Wiswesser Line Notation</b> L66J CF		
 			<b>Evaluation</b> D( $C_p$ ): C(Phase changes)		

<b>C<sub>10</sub>H<sub>8</sub></b> (c)		04BOG	<b>C<sub>10</sub>H<sub>8</sub></b> (c)		38HIC
Naphthalene			Naphthalene		
<b>Heat Capacity</b>	298 K, Temperature range 283 to 343 K.	$C_p = 172 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	301.58 K, Temperature range 58 to 304 K. Value is unsmoothed experimental datum.	$C_p = 168.11 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Phase Changes</b>			<b>Molecular Weight</b>	128.1732	
c/liq	352.3 K		<b>Wiswesser Line Notation</b>	L66J	
<b>Molecular Weight</b>	128.1732		<b>Evaluation</b>	A	
<b>Wiswesser Line Notation</b>	L66J				
<b>Evaluation</b>	D				
<b>C<sub>10</sub>H<sub>8</sub></b> (c)		26AND/LYN	<b>C<sub>10</sub>H<sub>8</sub></b> (c)		41SCH
Naphthalene			Naphthalene		
<b>Heat Capacity</b>	298 K, Temperature range 12 to 300 °C.	$C_p = 159.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.1 K, Temperature range 22 to 200 °C, equations only, in t °C. $C_p(c) = 0.2595 + 0.001672t \text{ cal} \cdot \text{g}^{-1} \cdot \text{C}^{-1}$ (22 to 80 °C); $C_p(\text{liq}) = 0.3360 + 0.0008180t \text{ cal} \cdot \text{g}^{-1} \cdot \text{C}^{-1}$ (80 to 200 °C).	$C_p = 161.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Phase Changes</b>			<b>Phase Changes</b>		
c/liq	353.1 K,	$\Delta H = 19000 \text{ J} \cdot \text{mol}^{-1}$	c/liq	353.4 K,	$\Delta H = 19040 \text{ J} \cdot \text{mol}^{-1}$
<b>Molecular Weight</b>	128.1732	$\Delta S = 53.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b>	128.1732	$\Delta S = 53.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b>	L66J		<b>Wiswesser Line Notation</b>	L66J	
<b>Evaluation</b>	C		<b>Evaluation</b>	C	
<b>C<sub>10</sub>H<sub>8</sub></b> (c)		30HUF/PAR	<b>C<sub>10</sub>H<sub>8</sub></b> (c)		44EIB
Naphthalene			Naphthalene		
<b>Heat Capacity</b>	295.1 K, Temperature range 91 to 295 K.	$C_p = 163.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.1 K, Temperature range 30 to 200 °C, equations only in t °C. $C_p(c) = 0.365 \text{ cal} \cdot \text{g}^{-1} \cdot \text{C}^{-1}$ (30 to 80 °C); $C_p(\text{liq}) = 0.329 + 0.000824t \text{ cal} \cdot \text{g}^{-1} \cdot \text{C}^{-1}$ (80 to 200 °C).	$C_p = 195.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Entropy</b>	298.1 K, Extrapolation below 90 K, 53.09 J·mol <sup>-1</sup> ·K <sup>-1</sup> .	$S = 166.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Phase Changes</b>		
<b>Molecular Weight</b>	128.1732		c/liq	353.4 K,	$\Delta H = 18790 \text{ J} \cdot \text{mol}^{-1}$
<b>Wiswesser Line Notation</b>	L66J		<b>Molecular Weight</b>	128.1732	$\Delta S = 53.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Evaluation</b>	B( $C_p$ ),C(S)		<b>Wiswesser Line Notation</b>	L66J	
<b>C<sub>10</sub>H<sub>8</sub></b> (c)		32SPA/THO	<b>Evaluation</b>	C	
Naphthalene					
<b>Heat Capacity</b>	303 K, Temperature range 30 to 190 °C.	$C_p = 169.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>C<sub>10</sub>H<sub>8</sub></b> (c)		50UEB/ORT
<b>Phase Changes</b>			Naphthalene		
c/liq	353.0 K,	$\Delta H = 19200 \text{ J} \cdot \text{mol}^{-1}$	<b>Heat Capacity</b>	298.15 K, Temperature range 293 to 368 K. Equation only.	$C_p = 156.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	128.1732	$\Delta S = 54.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Phase Changes</b>		
<b>Wiswesser Line Notation</b>	L66J		c/liq	353 K,	$\Delta H = 18785 \text{ J} \cdot \text{mol}^{-1}$
<b>Evaluation</b>	B		<b>Molecular Weight</b>	128.1732	$\Delta S = 53.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>C<sub>10</sub>H<sub>8</sub></b> (c)		33SOU/BRI	<b>Wiswesser Line Notation</b>	L66J	
Naphthalene			<b>Evaluation</b>	C	
<b>Heat Capacity</b>	294.68 K, Temperature range 15 to 295 K. Value is unsmoothed experimental datum.	$C_p = 165.48 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>C<sub>10</sub>H<sub>8</sub></b> (c)		57MAS
<b>Entropy</b>	298.15 K,	$S = 162.84 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Naphthalene		
<b>Molecular Weight</b>	128.1732		<b>Phase Changes</b>		
<b>Wiswesser Line Notation</b>	L66J		c/liq	353.44 K,	$\Delta H = 18811 \text{ J} \cdot \text{mol}^{-1}$
<b>Evaluation</b>	A		<b>Molecular Weight</b>	128.1732	
<b>C<sub>10</sub>H<sub>8</sub></b> (c)		34PEA/TAN	<b>Wiswesser Line Notation</b>	L66J	
Naphthalene			<b>Evaluation</b>	A	
<b>Heat Capacity</b>	297.6 K, Temperature range 94 to 298 K. Value is unsmoothed experimental datum.	$C_p = 168.07 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>C<sub>10</sub>H<sub>8</sub></b> (c)		57MCC/FIN
<b>Entropy</b>	298.15 K, Extrapolation below 90 K, 58.32 J·mol <sup>-1</sup> ·K <sup>-1</sup> .	$S = 166.86 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Naphthalene		
<b>Molecular Weight</b>	128.1732		<b>Heat Capacity</b>	298.15 K, Temperature range 10 to 370 K.	$C_p = 165.69 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b>	L66J		<b>Entropy</b>	298.15 K,	$S = 167.40 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Evaluation</b>	B( $C_p$ ),C(S)		<b>Phase Changes</b>		
			c/liq	353.43 K,	$\Delta H = 18226 \text{ J} \cdot \text{mol}^{-1}$
			<b>Molecular Weight</b>	128.1732	$\Delta S = 51.57 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
			<b>Wiswesser Line Notation</b>	L66J	
			<b>Evaluation</b>	A	

$C_{10}H_8$ (c)		64DAV	$C_{10}H_8$ (liq)		93CHI/KNI
Naphthalene			Naphthalene		
<b>Heat Capacity</b>	330 K,	$C_p = 213 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p = 196.06 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range	298 to 353 K.	Mean value. Temperature range uncertain.	Temperature range	260 to 700 K.	
<b>Phase Changes</b>			<b>Entropy</b>	298.15 K,	$S = 217.59 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c/liq	353 K,	$\Delta H = 19250 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 55 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Molecular Weight</b>	128.1732	
Temperature not measured.			<b>Wiswesser Line Notation</b>	L66J	
<b>Molecular Weight</b>	128.1732		<b>Evaluation</b>	A	Values at 298.15 K were calculated with graphically extrapolated heat capacities.
<b>Wiswesser Line Notation</b>	L66J				
<b>Evaluation</b>	D				
$C_{10}H_8$ (c)		64RAS/BAS	$C_{10}H_8O$ (c)		26AND/LYN
Naphthalene			$\alpha$ -Naphthol; 1-Hydroxynaphthalene		
<b>Heat Capacity</b>	342 K,	$C_p = 188.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298 K,	$C_p = 166.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range	342, 384 K.		Temperature range	22 to 180 °C.	
<b>Phase Changes</b>			<b>Phase Changes</b>		
c/liq	353.5 K,	$\Delta H = 19100 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 54.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	c/liq	368.2 K,	$\Delta H = 23470 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 63.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b>	128.1732		<b>Molecular Weight</b>	144.1726	
<b>Wiswesser Line Notation</b>	L66J		<b>Wiswesser Line Notation</b>	L66J BQ	
<b>Evaluation</b>	C		<b>Evaluation</b>	C	
$C_{10}H_8$ (c)		80AND/CON	$C_{10}H_8O$ (c)		67PAC
Naphthalene			$\alpha$ -Naphthol; 1-Hydroxynaphthalene		
<b>Phase Changes</b>			<b>Heat Capacity</b>	393 K,	$C_p = 285 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c/I/liq	353.376 K,	$\Delta H = 19046 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 53.90 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	One temperature.		
<b>Molecular Weight</b>	128.1732		<b>Phase Changes</b>		
<b>Wiswesser Line Notation</b>	L66J		c/liq	369 K,	$\Delta H = 23220 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 62.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Evaluation</b>	A		<b>Molecular Weight</b>	144.1726	
<b>Wiswesser Line Notation</b>	L66J		<b>Wiswesser Line Notation</b>	L66J BQ	
<b>Evaluation</b>	A		<b>Evaluation</b>	C	
$C_{10}H_8$ (c)		80RAD/RAD	$C_{10}H_8O$ (c)		26AND/LYN
Naphthalene			$\beta$ -Naphthol; 2-Hydroxynaphthalene		
<b>Phase Changes</b>			<b>Heat Capacity</b>	298 K,	$C_p = 172.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c/I/liq	353.8 K,	$\Delta H = 19000 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 53.70 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	Temperature range	22 to 205 °C.	
<b>Molecular Weight</b>	128.1732		<b>Phase Changes</b>		
<b>Wiswesser Line Notation</b>	L66J		c/liq	393.6 K,	$\Delta H = 18790 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 55.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Evaluation</b>	A		<b>Molecular Weight</b>	144.1726	
<b>Wiswesser Line Notation</b>	L66J		<b>Wiswesser Line Notation</b>	L66J CQ	
<b>Evaluation</b>	A		<b>Evaluation</b>	C	
$C_{10}H_8$ (c)		84SYU/TUM	$C_{10}H_8O$ (c)		74DAN/DAN
Naphthalene			$\beta$ -Naphthol; 2-Hydroxynaphthalene		
<b>Phase Changes</b>			<b>Heat Capacity</b>		
c/liq	354.1 K,	$\Delta H = 19020 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 53.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	Temperature range 60 to 310 K. Deposited in VINITI, No. 844-74, 8 April 1974.		
Relative error in determination	± 5%.		<b>Entropy</b>	298.15 K,	$S = 179.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b>	128.1732		<b>Molecular Weight</b>	144.1726	
<b>Wiswesser Line Notation</b>	L66J		<b>Wiswesser Line Notation</b>	L66J CQ	
<b>Evaluation</b>	C		<b>Evaluation</b>	A	
$C_{10}H_8$ (c)		88TOR/BAR	$C_{10}H_8O_2$ (c)		74DAN/DAN
Naphthalene			2,3-Naphthalenediol; 2,3-Hydroxynaphthalene		
<b>Phase Changes</b>			<b>Heat Capacity</b>		
liq/g	323 K,	$\Delta H = 70850 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 219.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	Temperature range 60 to 310 K. Deposited in VINITI, No. 844-74, 8 April, 1974.		
c/g	298.15 K,	$\Delta H = 72320 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 242.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Entropy</b>	298.15 K,	$S = 192.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b>	128.1732		<b>Molecular Weight</b>	160.1720	
<b>Wiswesser Line Notation</b>	L66J		<b>Wiswesser Line Notation</b>	L66J CQ DQ	
<b>Evaluation</b>	A		<b>Evaluation</b>	A	

$C_{10}H_8O_3$ (c)		89ZHA/HUA	$C_{10}H_{10}Cl_4N_2Si$ (c)		91KON/SE'
4-Methyl-7-hydroxycoumarin			Bis-(pyridine)silicon tetrachloride		
<b>Phase Changes</b>			<b>Phase Changes</b>		
c/liq	460.7 K,	$\Delta H = 29139 \text{ J}\cdot\text{mol}^{-1}$	c/liq	438.65 K,	$\Delta H = 128000 \text{ J}\cdot\text{mol}^{-1}$
		$\Delta S = 63.42 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
<b>Molecular Weight</b>	176.1714		<b>Molecular Weight</b>	328.0999	
<b>Wiswesser Line Notation</b>	T66 BOVJ E1 IQ		<b>Evaluation</b>	A	
<b>Evaluation</b>	B				
$C_{10}H_9N$ (c)		40CAM/CAM	$C_{10}H_{10}Co$ (c)		75RAB/NI
$\beta$ -Naphthylamine; 2-Aminonaphthalene			Cobaltocene		
<b>Heat Capacity</b>	293 K,	$C_p = 125.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p = 197.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
One temperature.			Temperature range	5 to 298.15 K.	
<b>Molecular Weight</b>	143.1878		<b>Entropy</b>	298.15 K,	$S = 236.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Wiswesser Line Notation</b>	L66J CZ		<b>Phase Changes</b>	c,II/c,I	$\Delta H = 238 \text{ J}\cdot\text{mol}^{-1}$
<b>Evaluation</b>	C			92 K,	$\Delta S = 2.73 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
 					Lambda transition between 70 to 140 K with a maximum at 92 K.
$C_{10}H_9NO_2$ (c)		89ZHA/HUA	<b>Molecular Weight</b>	189.1222	
4-Methyl-7-aminocoumarin			<b>Wiswesser Line Notation</b>	L5φJ φ-CO- φL5φJ	
<b>Phase Changes</b>			<b>Evaluation</b>	A	
c/liq	499.9 K,	$\Delta H = 32091 \text{ J}\cdot\text{mol}^{-1}$	See also	78RAB/NIS.	
		$\Delta S = 64.82 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
<b>Molecular Weight</b>	175.1866				
<b>Wiswesser Line Notation</b>	T66 BOVJ E1 IZ				
<b>Evaluation</b>	B				
$C_{10}H_{10}$ (c)		80FAL	$C_{10}H_{10}Co$ (c)		76POM/AZ
Bullvalene; Tricyclo[3.3.2.0 <sup>4,6</sup> ]deca-2,7,9-triene			Cobaltocene		
<b>Heat Capacity</b>	298.15 K,	$C_p = 190.38 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>		
Temperature range 5 to 450 K.			Temperature range	118 to 298 K.	Data given graphically.
<b>Entropy</b>	298.15 K,	$S = 174.66 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	$C_p = 62.92 - 0.460T + 6.07 \times 10^{-3}T^2 - 9.53 \times 10^{-6}T^3$ (118 to 298 K). C value calculated from equation.		
<b>Phase Changes</b>	c/liq	$\Delta H = 15250 \text{ J}\cdot\text{mol}^{-1}$	<b>Molecular Weight</b>	189.1222	
	366.5 K,	$\Delta S = 41.61 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Wiswesser Line Notation</b>	L5φJ φ-CO- φL5φJ	
<b>Molecular Weight</b>	130.1890		<b>Evaluation</b>	C	
<b>Wiswesser Line Notation</b>	L737 B C 1A J BU EU IUTJ				
<b>Evaluation</b>	A				
$C_{10}H_{10}Br_2CuN_2$ (c)		90DEY/SOM	$C_{10}H_{10}Co$ (c)		78RAB/NI
Bis(pyridine)copper bromide			Cobaltocene		
<b>Heat Capacity</b>	300 K,	$C_p = 1330 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p = 197.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 260 to 300 K. $C_p$ value is a graphical estimate.			Temperature range	5 to 300 K.	
<b>Phase Changes</b>	c,II/c,I	$\Delta H = 2510 \text{ J}\cdot\text{mol}^{-1}$	<b>Entropy</b>	298.15 K,	$S = 236.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
	278 K,	$\Delta S = 9.08 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Phase Changes</b>	c,II/c,I	$\Delta H = 238 \text{ J}\cdot\text{mol}^{-1}$
<b>Molecular Weight</b>	381.5564			93.5 K,	$\Delta S = 2.72 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Wiswesser Line Notation</b>	T6NJ 2 .CU E2				
<b>Evaluation</b>	B				Lambda transition between 70 to 120 K with a maximum at 93.5 K.
$C_{10}H_{10}Cl_2CuN_2$ (c)		90DEY/SOM	<b>Molecular Weight</b>	189.1222	
Bis(pyridine)copper chloride			<b>Wiswesser Line Notation</b>	L5φJ φ-CO- φL5φJ	
<b>Heat Capacity</b>	300 K,	$C_p = 540 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Evaluation</b>	A	
Temperature range 270 to 310 K. $C_p$ value is a graphical estimate.					
<b>Phase Changes</b>	c,II/c,I	$\Delta H = 1067 \text{ J}\cdot\text{mol}^{-1}$			
	289 K,	$\Delta S = 3.31 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
<b>Molecular Weight</b>	335.5470				
<b>Wiswesser Line Notation</b>	T6NJ 2 .CU G2				
<b>Evaluation</b>	B				
$C_{10}H_{10}Cr$ (c)			$C_{10}H_{10}Cr$ (c)		75RAB/NI
Chromocene			Chromocene		
<b>Heat Capacity</b>	298.15 K,		<b>Heat Capacity</b>	298.15 K,	$C_p = 199.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 5 to 298.15 K.			Temperature range	5 to 298.15 K.	
<b>Entropy</b>	298.15 K,		<b>Entropy</b>	298.15 K,	$S = 236.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Phase Changes</b>	c,II/c,I		<b>Phase Changes</b>	c,II/c,I	$\Delta H = 265 \text{ J}\cdot\text{mol}^{-1}$
				99.5 K,	$\Delta S = 2.57 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
					Lambda transition between 75 to 140 K with a maximum at 99.7 K and another flat peak at 118 K.
<b>Molecular Weight</b>	182.1850		<b>Molecular Weight</b>	182.1850	
<b>Wiswesser Line Notation</b>	L5φJ φ-CR- φL5φJ		<b>Wiswesser Line Notation</b>	L5φJ φ-CR- φL5φJ	
<b>Evaluation</b>	A		<b>Evaluation</b>	A	
					See also 78RAB/NIS.

<b>C<sub>10</sub>H<sub>10</sub>Cr (c)</b>	76POM/AZO	<b>C<sub>10</sub>H<sub>10</sub>Fe (c)</b>	62EDW/KIN
Chromocene		Ferrocene	
<b>Heat Capacity</b>		<b>Heat Capacity</b>	$C_p = 195.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 121 to 298 K. Data given graphically. $C_p = -253.6 + 0.632T + 33.52 \times 10^3 T^{-1} \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ . (213 to 298 K).		Temperature range 0 to 300 K. Debye function used to evaluate heat capacity between 0 and 17 K.	
<b>Phase Changes</b>		<b>Entropy</b>	$S = 216.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c,II/c,I	160–230 K, $\Delta S = 1.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		
Lambda type transition.		<b>Phase Changes</b>	Maximum transition between 163 and 165 K (163.9 K); secondary transition 171 K (graphical estimate).
<b>Molecular Weight</b> 182.1850		<b>Molecular Weight</b>	186.0360
<b>Wiswesser Line Notation</b> L5φJ φ-CR- φL5φJ		<b>Wiswesser Line Notation</b> L5φJ φ-FE- φL5φJ	
<b>Evaluation</b>	$C(C_p)$ , A(Phase changes)	<b>Evaluation</b>	A
<b>C<sub>10</sub>H<sub>10</sub>Cr (c)</b>	78RAB/NIS	<b>C<sub>10</sub>H<sub>10</sub>Fe (c)</b>	76AZO/CAL
Chromocene		Ferrocene	
<b>Heat Capacity</b>	298.15 K, $C_p = 199.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	$C_p = 131 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 5 to 300 K.		Temperature range 120 to 200 K.	
<b>Entropy</b>	298.15 K, $S = 236.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Phase Changes</b>	Maximum peak at 164 K; secondary peak at 169 K; c,III/c,II triclinic/m monoclinic transition.
<b>Phase Changes</b>		<b>Molecular Weight</b>	186.0360
c,II/c,I	99.7 K, $\Delta H = 265 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 2.55 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Wiswesser Line Notation</b> L5φJ φ-FE- φL5φJ	
Lambda transition between 75 to 140 K with a maximum at 99.7 K and another flat peak at 118 K.		<b>Evaluation</b>	B
<b>Molecular Weight</b> 182.1850			
<b>Wiswesser Line Notation</b> L5φJ φ-CR- φL5φJ			
<b>Evaluation</b>	A		
<b>C<sub>10</sub>H<sub>10</sub>Cr (c)</b>	84CHH/POM	<b>C<sub>10</sub>H<sub>10</sub>Fe (c)</b>	76POM/AZO
Chromocene		Ferrocene	
<b>Heat Capacity</b>	298 K, $C_p = 198.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	Temperature range 120 to 200 K. Data given graphically.
Temperature range 10 to 300 K. Unsmoothed experimental datum.		<b>Phase Changes</b>	
<b>Molecular Weight</b> 182.1850		c,II/c,I	164 K, $\Delta H = 853 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 5.31 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Wiswesser Line Notation</b> L5φJ φ-CR- φL5φJ		<b>Molecular Weight</b>	186.0360
<b>Evaluation</b>	B	<b>Wiswesser Line Notation</b> L5φJ φ-FE- φL5φJ	
Lambda anomaly at 100 K.		<b>Evaluation</b>	A
<b>C<sub>10</sub>H<sub>10</sub>F<sub>6</sub>FeP (c)</b>	86SOR/SRI	<b>C<sub>10</sub>H<sub>10</sub>Fe (c)</b>	81OGA/SOR
Ferrocenium hexafluorophosphate		Ferrocene	
<b>Heat Capacity</b>	Temperature range 12 to 393 K. Data given graphically.	<b>Heat Capacity</b>	$C_p = 189.56 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Phase Changes		Temperature range 13 to 300 K.	
c,IV/c,III	210.95 K	Entropy	$S = 211.85 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c,III/c,II	213.05 K, $\Delta H = 1950 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 9.54 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Phase Changes</b>	
$\Delta H$ and $\Delta S$ are total of c,IV/c,III and c,III/c,II transitions.		c,III/c,II	163.9 K, $\Delta H = 900 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 5.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c,II/c,I	346.94 K, $\Delta H = 4840 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 13.99 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	Lambda transition with a subsidiary $C_p$ maximum at 169 K between metastable LT and undercooled HT phases.	
<b>Molecular Weight</b> 331.0002		c,II/c,I	242 K, $\Delta H = 4145 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 17.13 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Wiswesser Line Notation</b> L5φJ φ-FE- φL5φJ & PFFFFFF		Phase transition between stable LT and stable HT phases.	
<b>Evaluation</b>	A	<b>Molecular Weight</b>	186.0360
 		<b>Wiswesser Line Notation</b> L5φJ φ-FE- φL5φJ	
<b>C<sub>10</sub>H<sub>10</sub>Fe (c)</b>	60EDW/KIN	<b>Evaluation</b>	A
Ferrocene			
<b>Heat Capacity</b>	Temperature range 195 to 200 K. Heat capacity measured and given graphically in region of transition.	<b>C<sub>10</sub>H<sub>10</sub>Fe (c)</b>	81TOM/CUR
Phase Changes		Ferrocene	
c,II/c,I	169 K, $\Delta H = 854 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 5.31 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	$C_p = 192.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Lambda transition at 163.9 K with a secondary transition at 169 K. Data given for overall transition.		Temperature range 293 to 393 K. Equation given.	
<b>Molecular Weight</b> 186.0360		<b>Phase Changes</b>	
<b>Wiswesser Line Notation</b> L5φJ φ-FE- φL5φJ		c/liq	447.0 K
<b>Evaluation</b>	A	<b>Molecular Weight</b>	186.0360
 		<b>Wiswesser Line Notation</b> L5φJ φ-FE- φL5φJ	

<b>C<sub>10</sub>H<sub>10</sub>Mn</b> (c)		75RAB/NIS	<b>C<sub>10</sub>H<sub>10</sub>Ni</b> (c)		76POM/AZO
Manganocene			Nickelocene		
<b>Heat Capacity</b>	298.15 K, Temperature range 5 to 298.15 K.	$C_p = 208.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>		
<b>Entropy</b>	298.15 K,	$S = 251.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Temperature range 127 to 303 K. Data given graphically. $C_p = 87.705 - 0.649T + 5.86 \times 10^{-3}T^2 - 9.29 \times 10^{-6}T^3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ (127 to 170 K; 240 to 303 K). $C_p$ value calculated from equation.		
<b>Phase Changes</b>	c,II/c,I 55–75 K,	$\Delta H = 41 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 0.63 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Phase Changes</b>		
	Lambda transition.				
<b>Molecular Weight</b>	185.1270		<b>Molecular Weight</b>	188.8890	
<b>Wiswesser Line Notation</b>	L5φJ φ-MN– φL5φJ		<b>Wiswesser Line Notation</b>	L5φJ φ-NI– φL5φJ	
<b>Evaluation</b>	A		<b>Evaluation</b>	$C(C_p)$ , A(Phase changes)	
	See also 78RAB/NIS.				
<b>C<sub>10</sub>H<sub>10</sub>Mn</b> (c)		78RAB/NIS	<b>C<sub>10</sub>H<sub>10</sub>Ni</b> (c)		78RAB/NIS
Manganocene			Nickelocene		
<b>Heat Capacity</b>	298.15 K, Temperature range 5 to 300 K.	$C_p = 208.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K, Temperature range 5 to 300 K.	$C_p = 205.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Entropy</b>	298.15 K,	$S = 251.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Entropy</b>	298.15 K,	$S = 253.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	185.1270		<b>Phase Changes</b>		
<b>Wiswesser Line Notation</b>	L5φJ φ-MN– φL5φJ		c,II/c,I 100–190 K,	$\Delta H = 182 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 1.34 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Evaluation</b>	A			Lambda transition over the temperature range 100 to 190 K.	
			<b>Molecular Weight</b>	188.8890	
<b>Wiswesser Line Notation</b>	T56 BMVHJ DUNO2		<b>Wiswesser Line Notation</b>	L5φJ φ-NI– φL5φJ	
<b>Evaluation</b>	D		<b>Evaluation</b>	A	
<b>C<sub>10</sub>H<sub>10</sub>N<sub>2</sub>O<sub>2</sub></b> (c)		82CUE/SOL	<b>C<sub>10</sub>H<sub>10</sub>O<sub>2</sub></b> (c)		83SME/STE
N-Ethanol isatoxime			9-Oxatetraacyclo[5.4.0.0 <sup>3,10</sup> .0 <sup>4,8</sup> ]undec-5-en-2-one		
<b>Phase Changes</b>			<b>Heat Capacity</b>	298.15 K,	$C_p = 214.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c/liq	505 K,	$\Delta H = 28900 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 57.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	One temperature.		
<b>Molecular Weight</b>	190.2012		<b>Molecular Weight</b>	162.1878	
<b>Wiswesser Line Notation</b>	T56 BMVHJ DUNO2		<b>Wiswesser Line Notation</b>		
<b>Evaluation</b>	D		<b>Evaluation</b>	C	
<b>C<sub>10</sub>H<sub>10</sub>Ni</b> (c)		75RAB/NIS	<b>C<sub>10</sub>H<sub>10</sub>O<sub>2</sub></b> (c)		83SME/STE
Nickelocene			anti-9,10,10-endo-Hydroxytricyclo[4.2.1.1 <sup>2,5</sup> ]-deca-3,7-dien-9-one		
<b>Heat Capacity</b>	298.15 K, Temperature range 5 to 298.15 K.	$C_p = 205.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p = 230.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Entropy</b>	298.15 K,	$S = 253.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	One temperature.		
<b>Phase Changes</b>			<b>Molecular Weight</b>	162.1878	
c,II/c,I	100–190 K,	$\Delta H = 182 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 1.32 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Wiswesser Line Notation</b>		
	Lambda transition.		<b>Evaluation</b>	C	
<b>Molecular Weight</b>	188.8890		<b>C<sub>10</sub>H<sub>10</sub>O<sub>2</sub></b> (c)		84BEC/RUE
<b>Wiswesser Line Notation</b>	L5φJ φ-NI– φL5φJ		Homocubane-4-carboxylic acid; 4-Carboxypentacyclo [4.3.0.0 <sup>2,5</sup> .0 <sup>3,8</sup> .0 <sup>4,7</sup> ] nonane		
<b>Evaluation</b>	A		<b>Heat Capacity</b>	298 K,	$C_p = 207 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ $C_p$ given as 0.305 cal·K <sup>-1</sup> ·g <sup>-1</sup> .
	See also 78RAB/NIS.		<b>Phase Changes</b>		
			liq/g $\Delta H$ from 80DUC/GRU.	$\Delta H = 82006 \text{ J} \cdot \text{mol}^{-1}$	
<b>C<sub>10</sub>H<sub>10</sub>Ni</b> (c)		76AZO/CAL	<b>Molecular Weight</b>	162.1878	
Nickelocene			<b>Wiswesser Line Notation</b>	L444 B4 D5 4ABCD ITJ AVQ	
<b>Heat Capacity</b>	298 K, Temperature range 130 to 300 K.	$C_p = 171 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Evaluation</b>	B	
<b>Phase Changes</b>					
c,II/c,I	170–240 K,	$\Delta S = 5.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
	No peak is observed on heat capacity curve, but a deviation from normal variation occurs between 170 to 240 K.				
<b>Molecular Weight</b>	188.8890				
<b>Wiswesser Line Notation</b>	L5φJ φ-NI– φL5φJ				
<b>Evaluation</b>	C				

$C_{10}H_{10}O_4$ (liq)		69RAB/MAR	$C_{10}H_{10}O_4$ (c)		68ELL/CHR
Dimethyl o-phthalate			Dimethyl terephthalate; Dimethyl p-phthalate		
<b>Heat Capacity</b>	300 K, Temperature range 80 to 360 K.	$C_p = 303.76 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K, Temperature range 30 to 200 °C.	$C_p = 261.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Entropy</b>	300 K,	$S = 365.47 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Phase Changes</b>		
<b>Phase Changes</b>	c/liq	274.18 K, $\Delta H = 16945 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 61.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	c/liq	413.79 K,	$\Delta H = 31631 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 76.44 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b>	194.1866		<b>Molecular Weight</b>	194.1866	
<b>Wiswesser Line Notation</b>	1OVR BVO1		<b>Wiswesser Line Notation</b>	1OVR DVO1	
<b>Evaluation</b>	C		<b>Evaluation</b>	B	
	T(glass)=192 K; $\Delta H = 527 \text{ J}\cdot\text{mol}^{-1}$ , $\Delta S = 2.63 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ .				
$C_{10}H_{10}O_4$ (liq)		70MAR/RAB	$C_{10}H_{10}O_4$ (c)		82KAR/SHV2
Dimethyl o-phthalate			Dimethyl terephthalate; Dimethyl p-phthalate		
<b>Heat Capacity</b>	300 K, Temperature range 60 to 360 K.	$C_p = 303.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Phase Changes</b>		
<b>Entropy</b>	300 K,	$S = 365.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	c/liq	415.4 K,	$\Delta H = 32000 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 77.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Phase Changes</b>	c/liq	274.18 K, $\Delta H = 16945 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 61.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
<b>Molecular Weight</b>	194.1866		<b>Molecular Weight</b>	194.1866	
<b>Wiswesser Line Notation</b>	1OVR BVO1		<b>Wiswesser Line Notation</b>	1OVR DVO1	
<b>Evaluation</b>	B		<b>Evaluation</b>	B	
	See also 69RAB/MAR. T(glass)=192.0 °C.				
$C_{10}H_{10}O_4$ (liq)		78MIL	$C_{10}H_{10}Ru$ (c)		76POM/AZO
Dimethyl o-phthalate			Ruthenocene		
<b>Heat Capacity</b>	298.15 K, Temperature range 250 to 370 K. Data graphically and by equation only.	$C_p = 309.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>		
<b>Molecular Weight</b>	194.1866		Temperature range 100 to 300 K. Data given graphically. $C_p = 74.33 + 2.59T - 1.50 \times 10^{-3}T^2 + 2.31 \times 10^{-5}T^3 - 4.35 \times 10^{-8}T^4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ (100 to 300 K).		
<b>Wiswesser Line Notation</b>	1OVR BVO1		<b>Molecular Weight</b>	231.2590	
<b>Evaluation</b>	B		<b>Wiswesser Line Notation</b>	L5φJ φ-RU- φL5φJ	
			<b>Evaluation</b>	C	
$C_{10}H_{10}O_4$ (liq)		84VAS/PET	$C_{10}H_{10}V$ (c)		75RAB/NIS
Dimethyl o-phthalate			Vanadocene		
<b>Heat Capacity</b>	300 K, Temperature range 25 to 360 K.	$C_p = 303.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K, Temperature range 5 to 298.15 K.	$C_p = 204.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Entropy</b>	300 K,	$S = 365.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Entropy</b>	298.15 K,	$S = 240.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Phase Changes</b>	c/liq	274.18 K	<b>Phase Changes</b>	c.II/c,I	130–200 K, $\Delta H = 196 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 1.21 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b>	194.1866				Lambda transition.
<b>Wiswesser Line Notation</b>	1OVR BVO1		<b>Molecular Weight</b>	181.1305	
<b>Evaluation</b>	A		<b>Wiswesser Line Notation</b>	L5φJ φ-VA- φL5φJ	
			<b>Evaluation</b>	A	Author reported $S = 304.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ .
$C_{10}H_{10}O_4$ (liq)		86RAB/NOV	$C_{10}H_{10}V$ (c)		78RAB/NIS
Dimethyl o-phthalate			Vanadocene		
<b>Heat Capacity</b>	298.15 K, Temperature range 6 to 120 K.	$C_p = 303.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K, Temperature range 5 to 300 K.	$C_p = 204.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Entropy</b>	298.15 K,	$S = 353.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Entropy</b>	298.15 K,	$S = 240.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b>	194.1866		<b>Phase Changes</b>	c.II/c,I	150–200 K, $\Delta H = 196 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 1.21 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Wiswesser Line Notation</b>	1OVR BVO1				Lambda transition between 120 to 200 K.
<b>Evaluation</b>	A		<b>Molecular Weight</b>	181.1305	
	Low temperature study of vitreous and crystalline forms. Thermodynamic functions calculated for temperature range 0 to 360 K.		<b>Wiswesser Line Notation</b>	L5φJ φ-VA- φL5φJ	
$C_{10}H_{10}O_4$ (c)		56SMI/DOL	<b>Evaluation</b>	A	
Dimethyl terephthalate; Dimethyl p-phthalate					
<b>Heat Capacity</b>	353 K, Temperature range 80 to 190 °C. Equation only.	$C_p = 276.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	$C_{10}H_{10}V$ (c)		80CAL/BER
<b>Phase Changes</b>	c/liq	413.8 K, $\Delta H = 32100 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 77.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	Vanadocene		
<b>Molecular Weight</b>	194.1866		<b>Heat Capacity</b>	298 K, Temperature range 100 to 300 K. $C_p$ between 235 to 300 K given by equation.	$C_p = 203.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Wiswesser Line Notation</b>	1OVR DVO1		<b>Phase Changes</b>	c.II/c,I	120–235 K, $\Delta H = 820 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 4.64 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Evaluation</b>	B				Lambda transition between 120 to 235 K.
			<b>Molecular Weight</b>	181.1305	
			<b>Wiswesser Line Notation</b>	L5φJ φ-VA- φL5φJ	
			<b>Evaluation</b>	B	

$C_{10}H_{11}N$ (c)		87MEI/DOG	$C_{10}H_{12}N_2O_3$ (c)		82CUE/SOL
2,4,6-Trimethylphenyl isocyanide			2-Ethoxyisonitrosoacetanilide		
<b>Heat Capacity</b>	298.15 K,	$C_p = 241.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Phase Changes</b>		
One temperature.			c/liq	405 K,	$\Delta H = 23000 \text{ J}\cdot\text{mol}^{-1}$
<b>Molecular Weight</b>	145.2036				$\Delta S = 56.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Wiswesser Line Notation CNR B1 D1 F1			<b>Molecular Weight</b>	208.2164	
Evaluation	C		Wiswesser Line Notation	QNU1VMR BO2	
			Evaluation	D	
$C_{10}H_{11}N$ (c)		87MEI/DOG	$C_{10}H_{12}N_2O_3$ (c)		82CUE/SOL
2,4,6-Trimethylbenzonitrile			4-Ethoxyisonitrosoacetanilide		
<b>Heat Capacity</b>	298.15 K,	$C_p = 220.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Phase Changes</b>		
One temperature.			c/liq	490 K,	$\Delta H = 7600 \text{ J}\cdot\text{mol}^{-1}$
<b>Molecular Weight</b>	145.2036				$\Delta S = 15.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Wiswesser Line Notation NCR B1 D1 F1			<b>Molecular Weight</b>	208.2164	
Evaluation	C		Wiswesser Line Notation	QVU1MR DO2	
			Evaluation	D	
$C_{10}H_{11}NO$ (c)		93ACR/SEV	$C_{10}H_{12}N_2S$ (c)		28SHI
2,4,6-Trimethylbenzonitrile N-oxide			N-Allyl-N'-phenylthiourea		
<b>Heat Capacity</b>	298.15 K,	$C_p = 236.10 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	323 K,	$C_p = 59.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 6 to 319 K.			Temperature range: $C_p$ measured at 50 °, 70 °C, 99.8 °C.		
<b>Entropy</b>	298.15 K,	$S = 265.08 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Phase Changes</b>		
<b>Phase Changes</b>			c/liq	375 K,	$\Delta H = 27614 \text{ J}\cdot\text{mol}^{-1}$
c,II/c,I	224.3 K,	$\Delta H = 80 \text{ J}\cdot\text{mol}^{-1}$			$\Delta S = 73.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
		$\Delta S = 0.35 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Molecular Weight</b>	192.2782	
c,I/g	298.15 K,	$\Delta H = 87800 \text{ J}\cdot\text{mol}^{-1}$	Wiswesser Line Notation	1U2MYMUS&R	
		$\Delta S = 265.08 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	Evaluation	B	
p=0.109 Pa.					
<b>Molecular Weight</b>	161.2030				
Wiswesser Line Notation					
Evaluation	A				
$C_{10}H_{11}NO_3$ (c)		91WU/XIO	$C_{10}H_{12}O_2$ (liq)		83KAR/ABD
N-Salicylidene-β-alanine			Eugenol; 5-Allylguaiacol		
<b>Phase Changes</b>			<b>Heat Capacity</b>	293 K,	$C_p = 343.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c/liq	408 K,	$\Delta H = 28500 \text{ J}\cdot\text{mol}^{-1}$	Temperature range 243 to 293 K. $C_p$ given as 2090 J·kg <sup>-1</sup> ·K <sup>-1</sup> .		
		$\Delta S = 69.86 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Molecular Weight</b>	164.2036	
<b>Molecular Weight</b>	193.2018		Wiswesser Line Notation	QR B01 D2U1	
Wiswesser Line Notation	OV2NU1R DQ		Evaluation	B	
Evaluation	A				
$C_{10}H_{12}$ (liq)		57MCC/FIN	$C_{10}H_{12}O_4$ (c)		65SIL/DAU
1,2,3,4-Tetrahydronaphthalene			2-Monobenzoylglycerol		
<b>Heat Capacity</b>	298.15 K,	$C_p = 217.44 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298 K,	$C_p = 236.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 10 to 320 K.			One temperature.		
<b>Entropy</b>	298.15 K,	$S = 251.46 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Molecular Weight</b>	196.2024	
<b>Phase Changes</b>			Wiswesser Line Notation	Q1Y1QOVR	
c/liq	237.36 K,	$\Delta H = 12447 \text{ J}\cdot\text{mol}^{-1}$	Evaluation	B	
		$\Delta S = 52.44 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
<b>Molecular Weight</b>	132.2048				
Wiswesser Line Notation	L66&TJ				
Evaluation	A				
$C_{10}H_{12}$ (c)		77LEB/LIT4	$C_{10}H_{12}O_4$ (c)		65SIL/DAU
endo-Dicyclopentadiene			1-Monobenzoylglycerol		
<b>Heat Capacity</b>	298.15 K,	$C_p = 188.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298 K,	$C_p = 238.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 14 to 330 K.			One temperature. $\beta_L$ form.		
<b>Entropy</b>	298.15 K,	$S = 230.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Molecular Weight</b>	196.2024	
<b>Phase Changes</b>			Wiswesser Line Notation	Q1YQ1OVR	
c,II/c,I	216 K,	$\Delta H = 9660 \text{ J}\cdot\text{mol}^{-1}$	Evaluation	B	
		$\Delta S = 40.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
c,I/liq	304.8 K,	$\Delta H = 2220 \text{ J}\cdot\text{mol}^{-1}$			
		$\Delta S = 6.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
<b>Molecular Weight</b>	132.2048				
Wiswesser Line Notation	L C555 A EU IUTJ -C				
Evaluation	A				
$C_{10}H_{13}NO_2$ (c)		71PRI	$C_{10}H_{13}NO_2$ (c)		
Propyl N-phenylcarbamate			<b>Heat Capacity</b>	298 K,	$C_p = 263.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Heat Capacity</b>			Temperature range 200 to 390 K. Complete data deposited VINITI, No. 2713-71, 25 March 1971.		
			<b>Phase Changes</b>		
c/liq	331 K,		c/liq	331 K,	$\Delta H = 21079 \text{ J}\cdot\text{mol}^{-1}$
					$\Delta S = 63.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b>	179.2182		<b>Molecular Weight</b>	179.2182	
Wiswesser Line Notation	30VMR		Wiswesser Line Notation		
Evaluation	B				

<b>C<sub>10</sub>H<sub>14</sub></b> (liq)	31HUF/PAR	<b>C<sub>10</sub>H<sub>14</sub></b> (liq)	44EIB
1,2,3,4-Tetramethylbenzene; Prehnitene		1,2,4,5-Tetramethylbenzene; Durene	
<b>Heat Capacity</b> 291.9 K, $C_p=236.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 298.1 K, $C_p=220.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 91 to 292 K. Value is unsmoothed experimental datum.		Temperature range 25 to 200 °C, equations only in t °C. $C_p(c) = 0.3662 + 0.001033t \text{ cal}\cdot\text{g}^{-1}\cdot\text{C}^{-1}$ (25 to 45 °C); $C_p(\text{liq}) = 0.424 + 0.000589t \text{ cal}\cdot\text{g}^{-1}\cdot\text{C}^{-1}$ (79 to 200 °C).	
<b>Entropy</b> 298.1 K, $S=290.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Phase Changes</b>	
Extrapolation below 90 K, 76.32 J·mol <sup>-1</sup> ·K <sup>-1</sup> .		c/liq 352.4 K, $\Delta H=20880 \text{ J}\cdot\text{mol}^{-1}$	
<b>Phase Changes</b>		$\Delta S=59.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
c/liq 265.4 K, $\Delta H=11230 \text{ J}\cdot\text{mol}^{-1}$		<b>Molecular Weight</b> 134.2206	
		<b>Wiswesser Line Notation</b> 1R B1 C1 D1	
<b>Molecular Weight</b> 134.2206		<b>Evaluation</b> C	
<b>Wiswesser Line Notation</b> 1R B1 C1 D1			
<b>Evaluation</b> B( $C_p$ ),C(S)			
<b>C<sub>10</sub>H<sub>14</sub></b> (liq)	47KUR	<b>C<sub>10</sub>H<sub>14</sub></b> (liq)	47KUR
1,2,3,4-Tetramethylbenzene; Prehnitene		1,2,4,5-Tetramethylbenzene; Durene	
<b>Heat Capacity</b> 298 K, $C_p=244.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 353 K, $C_p=275.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 12 to 198 °C, mean $C_p$ , four temperatures.		Temperature range 80 to 193 °C, mean $C_p$ , three temperatures.	
<b>Molecular Weight</b> 134.2206		<b>Molecular Weight</b> 134.2206	
<b>Wiswesser Line Notation</b> 1R B1 C1 D1		<b>Wiswesser Line Notation</b> 1R B1 D1 E1	
<b>Evaluation</b> D		<b>Evaluation</b> D	
<b>C<sub>10</sub>H<sub>14</sub></b> (liq)	31HUF/PAR	<b>C<sub>10</sub>H<sub>14</sub></b> (c)	89COL/JIM
1,2,3,5-Tetramethylbenzene; Isodurene		1,2,4,5-Tetramethylbenzene; Durene	
<b>Heat Capacity</b> 297.1 K, $C_p=240.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K, $C_p=204.02 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 92 to 297 K. Value is unsmoothed experimental datum.		One temperature.	
<b>Entropy</b> 298.1 K, $S=310.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Molecular Weight</b> 134.2206	
Extrapolation below 90 K, 80.54 J·mol <sup>-1</sup> ·K <sup>-1</sup> .		<b>Wiswesser Line Notation</b> 1R B1 D1 E1	
<b>Phase Changes</b>		<b>Evaluation</b> C	
c/liq 248.6 K, $\Delta H=12937 \text{ J}\cdot\text{mol}^{-1}$			
Value includes heat effect for solid transition below melting point.			
<b>Molecular Weight</b> 134.2206		<b>C<sub>10</sub>H<sub>14</sub></b> (liq)	30HUF/PAR
<b>Wiswesser Line Notation</b> 1R B1 C1 E1		tert-Butylbenzene	
<b>Evaluation</b> B( $C_p$ ),C(S)		<b>Heat Capacity</b> 294.3 K, $C_p=238.11 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
		Temperature range 92 to 294 K. Value is unsmoothed experimental datum.	
<b>C<sub>10</sub>H<sub>14</sub></b> (liq)	31HUF/PAR	<b>Entropy</b> 298.1 K, $S=278.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
1,2,4,5-Tetramethylbenzene; Durene		Extrapolation below 90 K, 67.70 J·mol <sup>-1</sup> ·K <sup>-1</sup> .	
<b>Heat Capacity</b> 297.1 K, $C_p=215.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Phase Changes</b>	
Temperature range 92 to 297.1 K. Value is unsmoothed experimental datum.		c/liq 215.0 K, $\Delta H=8397 \text{ J}\cdot\text{mol}^{-1}$	
<b>Entropy</b> 298.1 K, $S=245.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		$\Delta S=39.06 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Extrapolation below 90 K, 76.69 J·mol <sup>-1</sup> ·K <sup>-1</sup> .		<b>Molecular Weight</b> 134.2206	
<b>Molecular Weight</b> 134.2206		<b>Wiswesser Line Notation</b> 1X1&1&R	
<b>Wiswesser Line Notation</b> 1R B1 D1 E1		<b>Evaluation</b> B( $C_p$ ),C(S)	
<b>Evaluation</b> B( $C_p$ ),C(S)			
<b>C<sub>10</sub>H<sub>14</sub></b> (c)	33FER/THO	<b>C<sub>10</sub>H<sub>14</sub></b> (liq)	31HUF/PAR
1,2,4,5-Tetramethylbenzene; Durene		p-Cymene; 1-Isopropyl-4-methylbenzene	
<b>Heat Capacity</b> 303.15 K, $C_p=215.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 297.1 K, $C_p=236.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 303 to 393 K.		Temperature range 92 to 297 K. Value is unsmoothed experimental datum.	
<b>Phase Changes</b>		<b>Entropy</b> 298.1 K, $S=306.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
c/liq 352.05 K, $\Delta H=21340 \text{ J}\cdot\text{mol}^{-1}$		Extrapolation below 90 K, 80.00 J·mol <sup>-1</sup> ·K <sup>-1</sup> .	
<b>Molecular Weight</b> 134.2206		<b>Phase Changes</b>	
<b>Wiswesser Line Notation</b> 1R B1 D1 E1		c/liq 204.2 K, $\Delta H=9661 \text{ J}\cdot\text{mol}^{-1}$	
<b>Evaluation</b> C		$\Delta S=47.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>C<sub>10</sub>H<sub>14</sub></b> (liq)	47KUR	<b>Molecular Weight</b> 134.2206	
p-Cymene; 1-Isopropyl-4-methylbenzene		<b>Wiswesser Line Notation</b> 1Y1&R D1	
<b>Heat Capacity</b> 298 K, $C_p=242.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Evaluation</b> B( $C_p$ ),C(S)	
Temperature range 10 to 166 °C, mean $C_p$ , four temperatures.			
<b>Molecular Weight</b> 134.2206			
<b>Wiswesser Line Notation</b> 1Y1&R D1			
<b>Evaluation</b> D			

$C_{10}H_{14}$ (liq) n-Butylbenzene <b>Heat Capacity</b> 293.74 K, Temperature range 294 to 430 K. Unsmoothed experimental datum given as 1.801 kJ/kg·K. <b>Molecular Weight</b> 134.2206 <b>Wiswesser Line Notation</b> 2Y1&R <b>Evaluation</b> B	79AND/GRI	$C_{10}H_{14}O_4Zn$ (c) Zinc acetylacetone <b>Phase Changes</b> c/liq 400.5 K, <b>Molecular Weight</b> 263.5982 <b>Wiswesser Line Notation</b> D60-ZN-O ADJ D1 F1 B-& BD60-ZN-O AD. <b>Evaluation</b> A	86GRI/LAZ
$C_{10}H_{14}$ (liq) n-Butylbenzene <b>Heat Capacity</b> 298.2 K, Temperature range 94 to 298 K. Value is unsmoothed experimental datum. <b>Entropy</b> 298.1 K, Extrapolation below 90 K, 78.95 J·mol <sup>-1</sup> ·K <sup>-1</sup> . <b>Phase Changes</b> c/liq 184.6 K, $\Delta H=10979$ J·mol <sup>-1</sup> $\Delta S=59.5$ J·mol <sup>-1</sup> ·K <sup>-1</sup>	31HUF/PAR	$C_{10}H_{14}Si$ (liq) 1-Phenyl-1-methyl-1-silacyclobutane <b>Heat Capacity</b> 298.15 K, Temperature range 60 to 330 K. <b>Entropy</b> 298.15 K, <b>Phase Changes</b> c/liq 210.10 K, <b>Molecular Weight</b> 162.3061 <b>Wiswesser Line Notation</b> T4-SI-TJ A1 AR <b>Evaluation</b> A T(glass)=140 K.	78LEB/RAB
$C_{10}H_{14}$ (liq) n-Butylbenzene <b>Heat Capacity</b> 293 K, One temperature. <b>Molecular Weight</b> 134.2206 <b>Wiswesser Line Notation</b> 4R <b>Evaluation</b> C	48TSC	$C_{10}H_{14}Si$ (liq) Vinyldimethylphenylsilane <b>Heat Capacity</b> 300 K, Temperature range 50 to 300 K. <b>Entropy</b> 300 K, <b>Phase Changes</b> c/liq 190.70 K, <b>Molecular Weight</b> 162.3061 <b>Wiswesser Line Notation</b> 1U1-SI-1&1&R <b>Evaluation</b> A T(glass)=129.0 K. Data given for glassy state from 50 to 190 K.	74LEB/ARC
$C_{10}H_{14}$ (liq) n-Butylbenzene <b>Heat Capacity</b> 298.15 K, Temperature range 10 to 380 K. <b>Entropy</b> 298.15 K, <b>Phase Changes</b> c,II/liq 185.14 K, Metastable crystals. c,I/liq 185.30 K, <b>Molecular Weight</b> 134.2206 <b>Wiswesser Line Notation</b> 4R <b>Evaluation</b> A	65MES/TOD	$C_{10}H_{14}Si$ (liq) Vinyldimethylphenylsilane <b>Heat Capacity</b> 298.15 K, Temperature range 60 to 300 K. <b>Entropy</b> 298.15 K, <b>Phase Changes</b> c/liq 190.70 K, <b>Molecular Weight</b> 162.3061 <b>Wiswesser Line Notation</b> 1U1-SI-1&1&R <b>Evaluation</b> A T(glass)=129.5 K.	77LEB/RAB
$C_{10}H_{14}$ (liq) n-Butylbenzene <b>Heat Capacity</b> 298.15 K, One temperature. <b>Molecular Weight</b> 134.2206 <b>Wiswesser Line Notation</b> 4R <b>Evaluation</b> B	73GOO2	$C_{10}H_{14}Si$ (liq) Vinyldimethylphenylsilane <b>Heat Capacity</b> 298.15 K, Temperature range 5 to 330 K. <b>Entropy</b> 298.15 K, <b>Phase Changes</b> c/liq 190.70 K, <b>Molecular Weight</b> 162.3061 <b>Wiswesser Line Notation</b> 1U1-SI-1&1&R <b>Evaluation</b> A T(glass)=129 K.	81LEB/LEI
$C_{10}H_{14}CuO_4$ (c) Copper acetylacetone <b>Heat Capacity</b> 298 K, Temperature range 4.2 to 450 K. <b>Entropy</b> 298 K, <b>Molecular Weight</b> 261.7642 <b>Wiswesser Line Notation</b> D60-CU-O ADJ D1 F1 B-& BD60-CU-O ADJ D1 F1 <b>Evaluation</b> B	81TEG/FER	$C_{10}H_{14}Si$ (liq) Vinyldimethylphenylsilane <b>Heat Capacity</b> 298.15 K, Temperature range 5 to 330 K. <b>Entropy</b> 298.15 K, <b>Phase Changes</b> c/liq 190.70 K, <b>Molecular Weight</b> 162.3061 <b>Wiswesser Line Notation</b> 1U1-SI-1&1&R <b>Evaluation</b> A T(glass)=129 K.	

$(C_{10}H_{14}Si)_n$ (c)		75LEB/ARO	$C_{10}H_{15}N$ (liq)		34KOL/UDO2	
Polyvinyldimethylphenylsilane			N,N-Diethylaniline			
<b>Heat Capacity</b> 298.15 K,	$C_p=231.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 302.3 K,	$C_p=274.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		
Temperature range 60 to 300 K.			One temperature.			
<b>Entropy</b> 298.15 K,	$S=247.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Molecular Weight</b> 149.2352			
<b>Molecular Weight</b> 162.3061			<b>Wiswesser Line Notation</b> 2N2&R			
<b>Wiswesser Line Notation</b> /*1Y*-SI-1&1&R/			<b>Evaluation</b> C			
<b>Evaluation</b> B						
$(C_{10}H_{14}Si)_n$ (c)		81LEB/LEB	$C_{10}H_{15}NO$ (c)		77MEI/BLO	
Polyvinyldimethylphenylsilane			Carboxime(L)			
<b>Heat Capacity</b> 298.15 K,	$C_p=231.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K,	$C_p=255.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		
Temperature range 5 to 330 K.			Temperature range 160 to 385 K.			
<b>Entropy</b> 298.15 K,	$S=247.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Phase Changes</b>			
<b>Molecular Weight</b> 162.3061			c/liq 346.5 K, $\Delta H=22700 \text{ J}\cdot\text{mol}^{-1}$			
<b>Wiswesser Line Notation</b> /*1Y*-SI-1&1&R/			$\Delta S=65.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
<b>Evaluation</b> A			<b>Molecular Weight</b> 165.2346			
$(C_{10}H_{14}Si)_n$ (gls)		77LEB/RAB2	<b>Wiswesser Line Notation</b> L6Y BUTJ AUNQ B1 EY1&U1 -L			
Polyvinyldimethylphenylsilane			<b>Evaluation</b> D			
<b>Heat Capacity</b> 298.15 K,	$C_p=231.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$					
Temperature range 60 to 300 K.						
<b>Entropy</b> 298.15 K,	$S=247.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$					
<b>Molecular Weight</b> 162.3061						
<b>Wiswesser Line Notation</b> /*1Y*-SI-1&1&R/						
<b>Evaluation</b> A						
$(C_{10}H_{14}Si)_n$ (gls)		78LEB/RAB3	$C_{10}H_{15}NO$ (c)		77MEI/BLO	
Poly-1-phenyl-1-methyl-1-silatrismethylene			Carboxime(DL)			
<b>Heat Capacity</b> 298.15 K, $C_p=279.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			<b>Heat Capacity</b> 298.15 K,	$C_p=255.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		
Temperature range 60 to 330 K. Rubber like elastic state.			Temperature range 160 to 385 K.			
<b>Entropy</b> 298.15 K, $S=275.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			<b>Phase Changes</b>			
<b>Molecular Weight</b> 162.3061			c/liq 365.1 K, $\Delta H=17020 \text{ J}\cdot\text{mol}^{-1}$			
<b>Wiswesser Line Notation</b> /*-SI-1&R&3*/			$\Delta S=46.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
<b>Evaluation</b> A			<b>Molecular Weight</b> 165.2346			
T(glass)=242 K.			<b>Wiswesser Line Notation</b> L6Y BUTJ AUNQ B1 EY1&U1			
$C_{10}H_{15}Cl$ (c)		88PAR/KAW	<b>Evaluation</b> B			
2-Chloroadamantane						
<b>Phase Changes</b>						
c,II/c,II 227 K, $\Delta H=470 \text{ J}\cdot\text{mol}^{-1}$						
		$\Delta S=2.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$				
c,II/c,I 242 K, $\Delta H=8300 \text{ J}\cdot\text{mol}^{-1}$						
		$\Delta S=35 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$				
<b>Molecular Weight</b> 170.6815						
<b>Wiswesser Line Notation</b> L66 B6/B-H/DI A B- C 1B ITJ AG						
<b>Evaluation</b> A						
$C_{10}H_{15}F$ (c)		91KAW/GIL	$C_{10}H_{16}$ (liq)		79SMI/GOO	
1-Fluoroadamantane			exo-Tetrahydrodicyclopentadiene			
<b>Phase Changes</b>			<b>Heat Capacity</b> 298.15 K, $C_p=236.50 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
c,II/c,I 231 K, $\Delta H=1600 \text{ J}\cdot\text{mol}^{-1}$			Temperature range 275 to 365 K. Equation only. $C_p$ calculated from equation. $C_s=0.046061+0.0012371 T \text{ cal}\cdot\text{g}^{-1}\cdot\text{K}^{-1}$ (275 to 365 K).			
		$\Delta S=6.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Molecular Weight</b> 136.2364			
On heating.			<b>Wiswesser Line Notation</b> L C555 ATJ -T			
<b>Molecular Weight</b> 154.2269			<b>Evaluation</b> B			
<b>Wiswesser Line Notation</b> L66 B6/B-H/DI A B- C 1B ITJ FF						
<b>Evaluation</b> A						
$C_{10}H_{15}N$ (liq)		34KOL/UDO	$C_{10}H_{16}$ (liq)		80GOO/THO	
N,N-Diethylaniline			exo-Tetrahydrodicyclopentadiene			
<b>Heat Capacity</b> 302.0 K, $C_p=274.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			<b>Heat Capacity</b> 298.15 K, $C_p=213.87 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
One temperature.			Temperature range 260 to 465 K. Equation only. $C_p$ calculated from equation. $C_p = (\text{cal}\cdot\text{K}^{-1}\cdot\text{g}^{-1}) = 0.10423 + 0.76872 \times 10^{-3} T + 0.46992 \times 10^{-6} T^2$ (260 to 465 K).			
<b>Molecular Weight</b> 149.2352			<b>Molecular Weight</b> 136.2364			
<b>Wiswesser Line Notation</b> 2N2&R			<b>Wiswesser Line Notation</b> L C555 ATJ -T			
<b>Evaluation</b> C			<b>Evaluation</b> B			
$C_{10}H_{15}N$ (liq)		34KOL/UDO	$C_{10}H_{16}$ (liq)		34KOL/UDO	
Sabinine			<b>Heat Capacity</b> 297.0 K, $C_p=252.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
<b>Heat Capacity</b> 297.0 K,			One temperature.			
			<b>Molecular Weight</b> 136.2364			
<b>Wiswesser Line Notation</b> L35 DYTJ AY1&1 DU1			<b>Wiswesser Line Notation</b> L35 DYTJ AY1&1 DU1			
<b>Evaluation</b> C			<b>Evaluation</b> C			

$C_{10}H_{16}$ (liq)		34KOL/UDO2	$C_{10}H_{16}BrN$ (c)		89VAN/WHI
Sabinene			4-Phenylbutylammonium bromide		
<b>Heat Capacity</b>	288.3 K, One temperature.	$C_p=252.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Phase Changes</b>		
<b>Molecular Weight</b>	136.2364		c,III/c,II	353 K,	$\Delta H=9600 \text{ J}\cdot\text{mol}^{-1}$
<b>Wiswesser Line Notation</b>	L35 DYTJ AY1&1 DU1		c,II/c,I	393 K,	$\Delta S=3.25 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Evaluation</b>	C				$\Delta H=1400 \text{ J}\cdot\text{mol}^{-1}$
					$\Delta S=0.43 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
$C_{10}H_{16}$ (c)		71BOY/SAN	<b>Molecular Weight</b>	230.1471	
Tricyclo[5.2.1.0 <sup>2,6</sup> ]decane			<b>Wiswesser Line Notation</b>	Z4R &EH	
<b>Heat Capacity</b>	329 K, Temperature range 329 to 390 K. Four temperatures.	$C_p=241.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Evaluation</b>	A	
<b>Phase Changes</b>	c/liq	352 K, $\Delta H=2950 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=8.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
<b>Molecular Weight</b>	136.2364				
<b>Wiswesser Line Notation</b>	L556/FH 2AF JTJ				
<b>Evaluation</b>	C				
$C_{10}H_{16}$ (c,l)		60CHA/WES	$C_{10}H_{16}ClN$ (c)		89VAN/WHI
Adamantane; Tricyclo[3.3.1.1 <sup>3,7</sup> ]decane			4-Phenylbutylammonium chloride		
<b>Heat Capacity</b>	298.15 K, Temperature range 5 to 350 K.	$C_p=189.74 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Phase Changes</b>		
<b>Entropy</b>	298.15 K,	$S=195.83 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	c,IV/c,III	243 K,	$\Delta H=4030 \text{ J}\cdot\text{mol}^{-1}$
<b>Phase Changes</b>	c,II/c,I	208.62 K, $\Delta H=3376 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=16.18 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	c,III/c,II	274 K,	$\Delta S=2.00 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b>	136.2364		c,II/c,I	295 K,	$\Delta H=650 \text{ J}\cdot\text{mol}^{-1}$
<b>Wiswesser Line Notation</b>	L66 B6/B-H/DI A B- C 1B ITJ				$\Delta S=0.29 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Evaluation</b>	A				$\Delta H=270 \text{ J}\cdot\text{mol}^{-1}$
					$\Delta S=0.19 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
$C_{10}H_{16}$ (c,l)		61WES	<b>Molecular Weight</b>	185.6961	
Adamantane; Tricyclo[3.3.1.1 <sup>3,7</sup> ]decane			<b>Wiswesser Line Notation</b>	Z4R &GH	
<b>Heat Capacity</b>	298.15 K, Temperature range 5 to 350 K. Only values at 298.15 K given.	$C_p=189.74 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Evaluation</b>	A	
<b>Entropy</b>	298.15 K,	$S=195.83 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Phase Changes</b>		
<b>Phase Changes</b>	c,II/c,I	208.62 K, $\Delta H=3376 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=161.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	c,II/c,I	189.9 K,	$\Delta H=1709.6 \text{ J}\cdot\text{mol}^{-1}$
<b>Molecular Weight</b>	136.2364				$\Delta S=9.16 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Wiswesser Line Notation</b>	L66 B6/B-H/DI A B- C 1B ITJ				
<b>Evaluation</b>	A				Transition is probably first-order.
$C_{10}H_{16}$ (liq)			<b>Molecular Weight</b>	263.7004	
Limonene			<b>Wiswesser Line Notation</b>	1N1&R DN1&1 &GWW	
<b>Heat Capacity</b>	293.4 K, One temperature.	$C_p=249.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Evaluation</b>	A	
<b>Molecular Weight</b>	136.2364				
<b>Wiswesser Line Notation</b>	L6UTJ A1 DY1&U1				
<b>Evaluation</b>	C				
$C_{10}H_{16}$ (liq)		33KOL/UDO	$C_{10}H_{16}N_2ClO_4$ (c)		65CHI/NAK
Limonene			Wurster's Blue perchlorate; N,N,N',N'-Tetramethyl-p-phenylene-diamine perchlorate		
<b>Heat Capacity</b>	293.4 K, One temperature.	$C_p=249.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	200 K,	$C_p=264 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b>	136.2364		Temperature range 80 to 200 K. Data graphically only and estimated from graph.		
<b>Wiswesser Line Notation</b>	L66 B6/B-H/DI A B- C 1B ITJ		<b>Phase Changes</b>		
<b>Evaluation</b>	A		c,II/c,I	189.9 K,	$\Delta H=1709.6 \text{ J}\cdot\text{mol}^{-1}$
					$\Delta S=9.16 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
$C_{10}H_{16}$ (liq)			<b>Molecular Weight</b>	212.2480	
Limonene			<b>Wiswesser Line Notation</b>	Z4R &WNQ	
<b>Heat Capacity</b>	293.3 K, One temperature.	$C_p=249.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Evaluation</b>	A	
<b>Molecular Weight</b>	136.2364				
<b>Wiswesser Line Notation</b>	L6UTJ A1 DY1&U1				
<b>Evaluation</b>	C				
$C_{10}H_{16}$ (liq)		34KOL/UDO2	$C_{10}H_{16}N_2O_3$ (c)		89VAN/WHI
Limonene			4-Phenylbutylammonium nitrate		
<b>Heat Capacity</b>	293.3 K, One temperature.	$C_p=249.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Phase Changes</b>		
<b>Molecular Weight</b>	136.2364		c,II/c,I	336 K,	$\Delta H=19100 \text{ J}\cdot\text{mol}^{-1}$
<b>Wiswesser Line Notation</b>	L6UTJ A1 DY1&U1				$\Delta S=6.83 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Evaluation</b>	C				
$C_{10}H_{16}$ (liq)			<b>Molecular Weight</b>	212.2480	
Limonene			<b>Wiswesser Line Notation</b>	Z4R &WNQ	
<b>Heat Capacity</b>	293.3 K, One temperature.	$C_p=249.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Evaluation</b>	A	
<b>Molecular Weight</b>	136.2364				
<b>Wiswesser Line Notation</b>	L6UTJ A1 DY1&U1				
<b>Evaluation</b>	C				
$C_{10}H_{16}$ (liq)			$C_{10}H_{16}O$ (liq)		88BAG/GUR
Limonene			3,7-Dimethyl-6-octen-1-yn-3-ol		
<b>Heat Capacity</b>	293.4 K, One temperature.	$C_p=249.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	313.55 K,	$C_p=385.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b>	136.2364		Temperature range 270 to 340 K. Unsmoothed experimental datum.		
<b>Wiswesser Line Notation</b>	L6UTJ A1 DY1&U1		<b>Molecular Weight</b>	152.2358	
<b>Evaluation</b>	C		<b>Wiswesser Line Notation</b>	1YU3XQ1UU1	
			<b>Evaluation</b>	B	
$C_{10}H_{16}$ (liq)			$C_{10}H_{16}O$ (c)		31FRA
Limonene			Camphor		
<b>Heat Capacity</b>	293.4 K, One temperature.	$C_p=249.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298.1 K,	$C_p=271.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b>	136.2364		Temperature range 307 to 483 K.		
<b>Wiswesser Line Notation</b>	L6UTJ A1 DY1&U1		<b>Phase Changes</b>		
<b>Evaluation</b>	C		c/liq	451.5 K,	$\Delta H=6820 \text{ J}\cdot\text{mol}^{-1}$
					$\Delta S=15.10 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b>	152.2358				
<b>Wiswesser Line Notation</b>	L55 A CVTJ A1 A1 B1				
<b>Evaluation</b>	C				
					Synthetic camphor.

$C_{10}H_{16}O$ (c,I) Camphor(D)	35WHI/MOR	$C_{10}H_{16}O$ (c,I) Camphor(DL)	89NAG/MAT
<b>Heat Capacity</b> 259 K, Temperature range 213 to 259 K.	$C_p=243 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b> 301.55 K, Temperature range 14 to 375 K. Unsmoothed experimental datum.	$C_p=251.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Phase Changes</b> c,II/c,I 243 K, $\Delta H=7780 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=32.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Entropy</b> 298.15 K, Quenched sample.	$S=291.76 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b> 152.2358 Wiswesser Line Notation L55 A CVTJ A1 A1 B1 -D <b>Evaluation</b> C		<b>Phase Changes</b> c,II/c,I 209.1 K	
$C_{10}H_{16}O$ (c,I) Camphor(D)	53SCH	$C_{10}H_{16}O$ (c) 1-Hydroxyadamantane	88SAL/ABA
<b>Heat Capacity</b> Temperature range 238 to 247 K. $C_p$ data given graphically only.		<b>Phase Changes</b> c,III/c,II 369.16 K, $\Delta H=2500 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=6.77 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Phase Changes</b> c,II/c,I 243.9 K, $\Delta H=6990 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=28.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		c,II/c,I 529.16 K, $\Delta H=7130 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=13.25 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Molecular Weight</b> 152.2358 Wiswesser Line Notation L55 A CVTJ A1 A1 B1 -D <b>Evaluation</b> C		<b>Molecular Weight</b> 152.2358 Wiswesser Line Notation L66 B6 /B-H/ A B- C 1B ITJ FQ <b>Evaluation</b> A	
$C_{10}H_{16}O$ (c,I) Camphor(D)	89NAG/MAT	$C_{10}H_{16}O$ (c) 2-Hydroxyadamantane	88SAL/ABA
<b>Heat Capacity</b> 300.13 K, Temperature range 14 to 375 K. Unsmoothed experimental datum.	$C_p=247.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Phase Changes</b> c,IV/c,III 325.16 K, $\Delta H=300 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=0.92 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Entropy</b> 298.15 K, Annealed sample.	$S=289.76 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	c,III/c,II 391.16 K, $\Delta H=3740 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=9.56 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Phase Changes</b> c,II/c,I 244.19 K		c,II/c,I 516.16 K, $\Delta H=7750 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=15.02 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Molecular Weight</b> 152.2358 Wiswesser Line Notation L55 A CVTJ A1 A1 B1 -D <b>Evaluation</b> A		<b>Molecular Weight</b> 152.2358 Wiswesser Line Notation L66 B6 /B-H/ A B- C 1B ITJ AQ <b>Evaluation</b> A	
$C_{10}H_{16}O$ (c,I) Camphor(DL)	53SCH	$C_{10}H_{16}O$ (c) 2-Hydroxyadamantane	89SAL/ABA
<b>Heat Capacity</b> $C_p$ data given graphically only. Temperature range -180 to 180 °C.		<b>Phase Changes</b> c,IV/c,III 325.16 K, $\Delta H=300 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=0.92 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Phase Changes</b> c,II/c,I 210 K, $\Delta H=840 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=4.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		c,III/c,II 391.16 K, $\Delta H=3740 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=9.56 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Molecular Weight</b> 152.2358 Wiswesser Line Notation L55 A CVTJ A1 A1 B1 <b>Evaluation</b> C		c,II/c,I 516.16 K, $\Delta H=7750 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=15.02 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
$C_{10}H_{16}O$ (c,I) Camphor(DL)	89NAG/MAT	<b>Molecular Weight</b> 152.2358 Wiswesser Line Notation L66 B6 /B-H/ A B- C 1B ITJ AQ <b>Evaluation</b> A	
<b>Heat Capacity</b> 251.22 K, Temperature range 36 to 252 K. Unsmoothed experimental datum. Annealed sample.	$C_p=238.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	$C_{10}H_{16}O$ (c) 1-Hydroxyadamantane	89SAL/ABA
<b>Entropy</b> 298.15 K, Annealed sample.	$S=290.15 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Phase Changes</b> c,III/c,II 369.16 K, $\Delta H=2500 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=6.77 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Phase Changes</b> c,II/c,I 218.2 K		c,II/c,I 529.16 K, $\Delta H=7130 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=13.25 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Molecular Weight</b> 152.2358 Wiswesser Line Notation L55 A CVTJ A1 A1 B1 <b>Evaluation</b> A		<b>Molecular Weight</b> 152.2358 Wiswesser Line Notation L66 B6 /B-H/ A B- C 1B ITJ FQ <b>Evaluation</b> A	

<b>C<sub>10</sub>H<sub>16</sub>O</b> (liq)	33KOL/UDO	<b>C<sub>10</sub>H<sub>18</sub></b> (liq)	63GUD/CAM
Pulegone		Pinane	
<b>Heat Capacity</b> 293.3 K,	$C_p = 274.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b> 313 K,	$C_p = 231.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
One temperature.		Temperature range 313 to 523 K.	
<b>Molecular Weight</b> 152.2358		<b>Molecular Weight</b> 138.2522	
<b>Wiswesser Line Notation</b> L6VYTJ BUY1&1 E1		<b>Wiswesser Line Notation</b> L46 ATJ A1 A1 E1	
<b>Evaluation</b> C		<b>Evaluation</b> C	
<b>C<sub>10</sub>H<sub>16</sub>O</b> (liq)	34KOL/UDO2	<b>C<sub>10</sub>H<sub>18</sub></b> (liq)	63GUD/CAM
Pulegone		Methylhydroindan	
<b>Heat Capacity</b> 293.3 K,	$C_p = 274.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b> 313 K,	$C_p = 260.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
One temperature.		Temperature range 313 to 423 K.	
<b>Molecular Weight</b> 152.2358		<b>Molecular Weight</b> 138.2522	
<b>Wiswesser Line Notation</b> L6VYTJ BUY1&1 E1		<b>Wiswesser Line Notation</b> L56TJ X1	
<b>Evaluation</b> C		<b>Evaluation</b> C	
<b>C<sub>10</sub>H<sub>16</sub>O</b> (liq)	82KAR/IGA	<b>C<sub>10</sub>H<sub>18</sub></b> (liq)	70CHA/MCC
Citral; Geranial		cis-Bicyclo[5.3.0]decane	
<b>Heat Capacity</b> 293 K,	$C_p = 304.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b> 377 K,	$C_p = 311.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 233 to 293 K. $C_p$ given as 2000 $\text{J}\cdot\text{kg}^{-1}\cdot\text{K}^{-1}$ .		One temperature.	
<b>Molecular Weight</b> 152.2358		<b>Molecular Weight</b> 138.2522	
<b>Wiswesser Line Notation</b> VHOYUY1&3UY1&1		<b>Wiswesser Line Notation</b> L57TJ -C	
<b>Evaluation</b> B		<b>Evaluation</b> B	
(C <sub>10</sub> H <sub>16</sub> O <sub>4</sub> ) <sub>n</sub> (c)	84RAB/NIS	<b>C<sub>10</sub>H<sub>18</sub></b> (liq)	62GOL/BEL
Polybutylene glycol adipate		Bicyclopentyl	
<b>Heat Capacity</b> 298.15 K,	$C_p = 316.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b> 311 K,	$C_p = 229.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 80 to 470 K. 100% crystallinity. $C_p$ (298.15 K)=393.6 $\text{J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ for the highly elastic state.		Temperatures 100, 200, 300 °F.	
<b>Entropy</b> 298.15 K,	$S = 334.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Molecular Weight</b> 138.2522	
100% crystallinity. $S$ °(298.15 K)– $S$ °(O)=379.9 $\text{J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ for the highly elastic state.		<b>Wiswesser Line Notation</b> L57J A- AL5TJ	
<b>Phase Changes</b>		<b>Evaluation</b> C	
c/liq 328.8 K,	$\Delta H = 24800 \text{ J}\cdot\text{mol}^{-1}$		
<b>Molecular Weight</b> 200.2340			
<b>Wiswesser Line Notation</b> /*OV4VO4*/			
<b>Evaluation</b> B			
T(glass)=199 K.			
<b>C<sub>10</sub>H<sub>16</sub>O<sub>6</sub></b> (liq)	92VER/BEC	<b>C<sub>10</sub>H<sub>18</sub></b> (liq)	76GOO/LEE
Methanetricarboxylic acid triethyl ester		Bicyclopentyl	
<b>Heat Capacity</b> 298.15 K,	$C_p = 419.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p = 238.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
One temperature.		One temperature.	
<b>Molecular Weight</b> 232.2328		<b>Molecular Weight</b> 138.2522	
<b>Wiswesser Line Notation</b> 2OVYVO2&VO2		<b>Wiswesser Line Notation</b> L57J A- AL5TJ	
<b>Evaluation</b> B		<b>Evaluation</b> B	
<b>C<sub>10</sub>H<sub>16</sub>S<sub>4</sub></b> (c)	62CHA/WES	<b>C<sub>10</sub>H<sub>18</sub></b> (liq)	62GOL/BEL
1,3,5,7-Tetramethyl-2,4,6,8-tetrathiaadamantane		cis-Decahydronaphthalene; Decalin	
<b>Heat Capacity</b> 298.15 K,	$C_p = 295.85 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b> 311 K,	$C_p = 219.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 5 to 350 K.		Temperatures 100, 200, 300 °F.	
<b>Entropy</b> 298.15 K,	$S = 300.83 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Molecular Weight</b> 138.2522	
<b>Molecular Weight</b> 264.4764		<b>Wiswesser Line Notation</b> L66TJ	
<b>Wiswesser Line Notation</b> T66 B6/B-H/DI A B- C 1B I AS B-S CS ESTJ		<b>Evaluation</b> D	
B1 D1 F1 H1			
<b>Evaluation</b> A			
<b>C<sub>10</sub>H<sub>18</sub></b> (liq)	62GOL/BEL	<b>C<sub>10</sub>H<sub>18</sub></b> (liq)	49PAR/HAT
Pinane		cis-Decahydronaphthalene; cis-Decalin	
<b>Heat Capacity</b> 311 K,	$C_p = 231.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p = 220.06 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperatures 100, 200, 300 °F.		Temperature range 80 to 298.15 K.	
<b>Molecular Weight</b> 138.2522		<b>Phase Changes</b>	
<b>Wiswesser Line Notation</b> L46 ATJ A1 A1 E1		c/liq 230.1 K,	$\Delta H = 2209 \text{ J}\cdot\text{mol}^{-1}$
<b>Evaluation</b> C			$\Delta S = 9.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$

<b>C<sub>10</sub>H<sub>18</sub></b> (liq) cis-Decahydronaphthalene; cis-Decalin <b>Heat Capacity</b> 298 K, $C_p = 233.51 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Temperature range 293 to 343 K. <b>Phase Changes</b> Lambda type transition in liquid state at 323 K. <b>Molecular Weight</b> 138.2522 <b>Wiswesser Line Notation</b> L66TJ -C <b>Evaluation</b> B	53SEY	<b>C<sub>10</sub>H<sub>18</sub></b> (liq) trans-Decahydronaphthalene; trans-Decalin <b>Heat Capacity</b> 298 K, $C_p = 226.86 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Temperature range 293 to 413 K. <b>Molecular Weight</b> 138.2522 <b>Wiswesser Line Notation</b> L66TJ -T <b>Evaluation</b> B	53SEY
<b>C<sub>10</sub>H<sub>18</sub></b> (liq) cis-Decahydronaphthalene; cis-Decalin <b>Heat Capacity</b> 298.15 K, $C_p = 232.00 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Temperature range 10 to 350 K. <b>Entropy</b> 298.15 K, $S = 265.01 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ <b>Phase Changes</b> c/liq 242.78 K, $\Delta H = 14414 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 59.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ <b>Molecular Weight</b> 138.2522 <b>Wiswesser Line Notation</b> L66TJ -C <b>Evaluation</b> A	57MCC/FIN	<b>C<sub>10</sub>H<sub>18</sub></b> (liq) trans-Decahydronaphthalene; trans-Decalin <b>Heat Capacity</b> 298.15 K, $C_p = 228.49 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Temperature range 10 to 350 K. <b>Entropy</b> 298.15 K, $S = 264.93 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ <b>Phase Changes</b> c,II/c,I 216.1 K, $\Delta H = 2135.5 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 9.88 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ c,I/liq 230.18 K, $\Delta H = 9489 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 41.22 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ <b>Molecular Weight</b> 138.2522 <b>Wiswesser Line Notation</b> L66TJ -T <b>Evaluation</b> A	57MCC/FIN
<b>C<sub>10</sub>H<sub>18</sub></b> (liq) cis-Decahydronaphthalene; cis-Decalin <b>Heat Capacity</b> 313 K, $C_p = 251.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Temperature range 313 to 423 K. <b>Molecular Weight</b> 138.2522 <b>Wiswesser Line Notation</b> L66TJ -C <b>Evaluation</b> C	63GUD/CAM	<b>C<sub>10</sub>H<sub>18</sub></b> (liq) trans-Decahydronaphthalene; trans-Decalin <b>Heat Capacity</b> 313 K, $C_p = 250.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Temperature range 313 to 423 K. <b>Molecular Weight</b> 138.2522 <b>Wiswesser Line Notation</b> L66TJ -T <b>Evaluation</b> C	63GUD/CAM
<b>C<sub>10</sub>H<sub>18</sub></b> (liq) cis-Decahydronaphthalene; cis-Decalin <b>Heat Capacity</b> 298.15 K, $C_p = 232.20 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ One temperature. <b>Molecular Weight</b> 138.2522 <b>Wiswesser Line Notation</b> L66TJ -C <b>Evaluation</b> A	88SHI/OGA	<b>C<sub>10</sub>H<sub>18</sub></b> (liq) trans-Decahydronaphthalene; trans-Decalin <b>Heat Capacity</b> 298.15 K, $C_p = 229.17 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ One temperature. <b>Molecular Weight</b> 138.2522 <b>Wiswesser Line Notation</b> L66TJ -T <b>Evaluation</b> A	88SHI/OGA
<b>C<sub>10</sub>H<sub>18</sub></b> (liq) cis-Decahydronaphthalene; cis-Decalin <b>Heat Capacity</b> 298.15 K, $C_p = 232.20 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ One temperature. <b>Molecular Weight</b> 138.2522 <b>Wiswesser Line Notation</b> L66TJ -C <b>Evaluation</b> A	88SHI/OGA2	<b>C<sub>10</sub>H<sub>18</sub></b> (liq) trans-Decahydronaphthalene; trans-Decalin <b>Heat Capacity</b> 298.15 K, $C_p = 229.17 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ One temperature. <b>Molecular Weight</b> 138.2522 <b>Wiswesser Line Notation</b> L66TJ -T <b>Evaluation</b> A	88SHI/OGA2
<b>C<sub>10</sub>H<sub>18</sub></b> (liq) cis-Decahydronaphthalene; cis-Decalin <b>Heat Capacity</b> 298.15 K, $C_p = 232.08 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ One temperature. <b>Molecular Weight</b> 138.2522 <b>Wiswesser Line Notation</b> L66TJ -C <b>Evaluation</b> B	890HN/FUJ	<b>C<sub>10</sub>H<sub>18</sub></b> (liq) trans-Decahydronaphthalene; trans-Decalin <b>Heat Capacity</b> 298.15 K, $C_p = 229.17 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ One temperature. <b>Molecular Weight</b> 138.2522 <b>Wiswesser Line Notation</b> L66TJ -T <b>Evaluation</b> B	890HN/FUJ
<b>C<sub>10</sub>H<sub>18</sub></b> (liq) trans-Decahydronaphthalene; trans-Decalin <b>Heat Capacity</b> 298.15 K, $C_p = 217.72 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Temperature range 80 to 298.15 K. <b>Phase Changes</b> c/liq 242.4 K, $\Delta H = 3244 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 13.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ <b>Molecular Weight</b> 138.2522 <b>Wiswesser Line Notation</b> L66TTJ -T <b>Evaluation</b> B	49PAR/HAT	<b>C<sub>10</sub>H<sub>18</sub>O</b> (liq) 2,6-Dimethylocta-2,7-dien-6-ol; Coriandrol; Linalool <b>Heat Capacity</b> 293.1 K, $C_p = 372.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ One temperature. <b>Molecular Weight</b> 154.2516 <b>Wiswesser Line Notation</b> 1Y1&U3XQ1&1U1 <b>Evaluation</b> C	33KOL/UDO

$C_{10}H_{18}O$ (liq)		34KOL/UDO2	$C_{10}H_{20}$ (c)		80BY <sup>t</sup>
2,6-Dimethylocta-2,7-dien-6-ol; Coriandrol; Linalool			2,2,5,5-Tetramethylhex-3-ene		
<b>Heat Capacity</b>	293.1 K,	$C_p = 372.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Phase Changes</b>		
One temperature.			c,III/c,II	235.7 K,	$\Delta H = 1210 \text{ J}\cdot\text{mol}^{-1}$
<b>Molecular Weight</b>	154.2516		c,II/c,I	243.5 K,	$\Delta S = 5.13 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Wiswesser Line Notation</b>	1Y1&U3XQ1&1U1		c,I/liq	268.8 K,	$\Delta H = 4330 \text{ J}\cdot\text{mol}^{-1}$
<b>Evaluation</b>	C				$\Delta S = 17.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
					$\Delta H = 10250 \text{ J}\cdot\text{mol}^{-1}$
					$\Delta S = 38.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
$C_{10}H_{18}O_4$ (liq)		86NIL/WAD	<b>Molecular Weight</b>	140.2688	
Ethyleneglycoldibutanoate			<b>Wiswesser Line Notation</b>	1X1&1&1U1X1&1&1	
<b>Heat Capacity</b>	298.15 K,	$C_p = 380.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Evaluation</b>	A	
One temperature.					
<b>Molecular Weight</b>	202.2498				
<b>Wiswesser Line Notation</b>	3VO2OV3				
<b>Evaluation</b>	A				
$C_{10}H_{18}O_4$ (c)		74CIN/BER	$C_{10}H_{20}$ (liq)		57MCC/FIN
Sebacic acid			1-Decene		
<b>Phase Changes</b>			<b>Heat Capacity</b>	298.15 K,	$C_p = 300.83 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c/liq	404.0 K,	$\Delta H = 40807 \text{ J}\cdot\text{mol}^{-1}$	Temperature range	11 to 360 K.	$S = 425.01 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
		$\Delta S = 101.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Entropy</b>	298.15 K,	
<b>Molecular Weight</b>	202.2498		<b>Phase Changes</b>	c,II/c,I	$\Delta H = 7950 \text{ J}\cdot\text{mol}^{-1}$
<b>Wiswesser Line Notation</b>	QV8VQ		c,I/liq	198.3 K,	$\Delta S = 40.09 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Evaluation</b>	B			206.89 K,	$\Delta H = 13807 \text{ J}\cdot\text{mol}^{-1}$
					$\Delta S = 66.74 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
$C_{10}H_{19}NO_2$ (liq)		85KAR/ABD2	<b>Molecular Weight</b>	140.2680	
Diethylaminoethyl methacrylate			<b>Wiswesser Line Notation</b>	9U1	
<b>Phase Changes</b>			<b>Evaluation</b>	A	
c/liq	207.5 K,	$\Delta H = 13080 \text{ J}\cdot\text{mol}^{-1}$			
		$\Delta S = 63.04 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
<b>Molecular Weight</b>	185.2656				
<b>Wiswesser Line Notation</b>	1UY1&VO2N2&2				
<b>Evaluation</b>	A				
$C_{10}H_{19}O_2Tl$ (c)		88LOP/CHE	$C_{10}H_{20}$ (liq)		63GUD/CAN
Thallium (I) n-decanoate			1,4-Diethylcyclohexane		
<b>Heat Capacity</b>	300 K,	$C_p = 426.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	313 K,	$C_p = 261.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 6 to 480 K.		$S = 403.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	Temperature range	313 to 423 K.	70% cis, 30% trans.
<b>Entropy</b>	300 K,		<b>Molecular Weight</b>	140.2680	
<b>Phase Changes</b>			<b>Wiswesser Line Notation</b>	L6TJ A2 D2	
c,V/c,IV	232.4 K,	$\Delta H = 2411 \text{ J}\cdot\text{mol}^{-1}$	<b>Evaluation</b>	C	
		$\Delta S = 10.39 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
c,IV/c,III	288.6 K,	$\Delta H = 599 \text{ J}\cdot\text{mol}^{-1}$			
		$\Delta S = 2.08 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
c,III/c,II	306.8 K,	$\Delta H = 4240 \text{ J}\cdot\text{mol}^{-1}$			
		$\Delta S = 13.89 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
c,II/c,I	405.0 K,	$\Delta H = 3974 \text{ J}\cdot\text{mol}^{-1}$			
		$\Delta S = 12.14 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
c,I/liq	405.0 K,	$\Delta H = 5670 \text{ J}\cdot\text{mol}^{-1}$			
		$\Delta S = 13.97 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
Solid-mesophase.					
liq/liq	484.0 K,	$\Delta H = 2552 \text{ J}\cdot\text{mol}^{-1}$			
		$\Delta S = 5.24 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
Mesophase-isotropic liquid.					
<b>Molecular Weight</b>	375.6289				
<b>Wiswesser Line Notation</b>	OV9 .TL				
<b>Evaluation</b>	A				
$C_{10}H_{20}$ (liq)		63GUD/CAN			
tert-Butylcyclohexane					
<b>Heat Capacity</b>	313 K,	$C_p = 264.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
Temperature range 313 to 423 K.					
<b>Molecular Weight</b>	140.2680				
<b>Wiswesser Line Notation</b>	L6TJ AX1&1&1				
<b>Evaluation</b>	C				

$C_{10}H_{20}BrFeN_2S_4$ (c)	83YOS/SOR	$C_{10}H_{20}O$ (liq)	84VAS/PET
Bromo bis(N,N-diethylthiocarbamate) iron (III)		Decanal; Capric aldehyde; Capraldehyde	
<b>Heat Capacity</b> 298.095 K, $C_p = 434.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K, $C_p = 319.67 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 0.4 to 393 K. Unsmoothed experimental datum.		Temperature range 10 to 337.5 K.	
<b>Phase Changes</b>		<b>Entropy</b> 298.15 K, $S = 429.46 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
c,IV/c,III 1.347 K		<b>Phase Changes</b>	
Lambda type ferromagnetic transition.		c/liq 269.25 K	
c,III/c,II 9 K, $\Delta H = 97.0 \text{ J}\cdot\text{mol}^{-1}$		<b>Molecular Weight</b> 156.2674	
$\Delta S = 11.05 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		Wiswesser Line Notation VH9	
Schottky type anomaly. $\Delta\Delta H$ and $\Delta\Delta S$ values are the total of both transitions.		<b>Evaluation</b> A	
c,II/c,I 265.7 K, $\Delta H = 1960 \text{ J}\cdot\text{mol}^{-1}$			
$\Delta S = 7.51 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
Non-magnetic phase transition.			
<b>Molecular Weight</b> 432.2724			
Wiswesser Line Notation SUYS&N2&2 2.FE E			
<b>Evaluation</b> A(Phase changes), C( $C_p$ )			
Values given for sample A. (see text)			
$C_{10}H_{20}FeIN_2S_4$ (c)	80YOS/SOR	$C_{10}H_{20}O_2$ (c)	1889EYK
Iodo bis(N,N-diethylthiocarbamate) iron (III)		Decanoic acid; Capric acid	
<b>Heat Capacity</b> 296.531 K, $C_p = 435.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Phase Changes</b>	
Temperature range 0.4 to 300 K. Data given from 0.4 to 19.8 K via $^3\text{He}$ calorimeter, and from 14 to 300 K via an adiabatic calorimeter; unsmoothed experimental datum.		c/liq 300.1 K, $\Delta H = 29217 \text{ J}\cdot\text{mol}^{-1}$	
<b>Phase Changes</b>		$\Delta S = 97.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
c,III/c,II 1.93 K, $\Delta H = 13.2 \text{ J}\cdot\text{mol}^{-1}$			
$\Delta S = 5.57 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
Total entropy and enthalpy given for an antiferromagnetic to para-magnetic phase transition with a maximum at 1.937 K and a Schottky-type anomalies around 12 K are $11.36 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ and $134.5 \text{ J}\cdot\text{mol}^{-1}$ , respectively, for the temperature range 0.4 to 40 K.			
<b>Molecular Weight</b> 553.9950			
Wiswesser Line Notation SUYS&N2&2 2.FE I			
<b>Evaluation</b> A			
$C_{10}H_{20}O$ (liq)	80DYA/VAS	$C_{10}H_{20}O_2$ (c)	24GAR/RAN
Decanal; Capric aldehyde; Capraldehyde		Decanoic acid; Capric acid	
<b>Heat Capacity</b>		<b>Heat Capacity</b> 285 K, $C_p = 361.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 50 to 350 K.		Temperature range 0 to 65 °C. Mean value 0 to 24 °C.	
<b>Phase Changes</b>		<b>Phase Changes</b>	
c/liq 269.47 K, $\Delta H = 30600 \text{ J}\cdot\text{mol}^{-1}$		c/liq 304.4 K, $\Delta H = 27990 \text{ J}\cdot\text{mol}^{-1}$	
$\Delta S = 113.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		$\Delta S = 92.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
97.10 mol% purity.			
<b>Molecular Weight</b> 156.2674			
Wiswesser Line Notation VH9			
<b>Evaluation</b> B			
Manuscript deposited in Cent. Sci. Res. Inst. Tech. Eng. Petrochemicals. July 27, 1979.			
$C_{10}H_{20}O$ (liq)	82DYA/VAS	$C_{10}H_{20}O_2$ (c)	82SCH/MIL2
Decanal; Capric aldehyde; Capraldehyde		Decanoic acid; Capric acid	
<b>Heat Capacity</b>		<b>Heat Capacity</b> 298.15 K, $C_p = 475.59 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 80 to 345 K.		Temperature range 80 to 345 K.	
<b>Phase Changes</b>		<b>Phase Changes</b>	
c/liq 304.55 K, $\Delta H = 27798 \text{ J}\cdot\text{mol}^{-1}$		c/I/liq 304.55 K, $\Delta H = 27798 \text{ J}\cdot\text{mol}^{-1}$	
$\Delta S = 91.28 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		$\Delta S = 91.28 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
$C_{10}H_{22}$ (liq)		$C_{10}H_{22}$ (liq)	30PAR/HIJF
n-Decane		n-Decane	
<b>Heat Capacity</b> 295.5 K, $C_p = 309.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 295.5 K, $C_p = 309.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 242 to 296 K. Value is unsmoothed experimental datum.		Temperature range 242 to 296 K. Value is unsmoothed experimental datum.	
<b>Molecular Weight</b> 142.2838			
Wiswesser Line Notation 10H			
<b>Evaluation</b> B			
$C_{10}H_{22}$ (liq)		$C_{10}H_{22}$ (liq)	31HUF/PAR
n-Decane		n-Decane	
<b>Heat Capacity</b> 297.7 K, $C_p = 311.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 297.7 K, $C_p = 311.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 91 to 298 K. Value is unsmoothed experimental datum.		Temperature range 91 to 298 K. Value is unsmoothed experimental datum.	
<b>Entropy</b> 298.1 K, $S = 428.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Entropy</b> 298.1 K, $S = 428.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Extrapolation below 90 K, $92.05 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ .		Extrapolation below 90 K, $92.05 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ .	
<b>Phase Changes</b>		<b>Phase Changes</b>	
c/liq 243.1 K, $\Delta H = 28778 \text{ J}\cdot\text{mol}^{-1}$		c/liq 243.1 K, $\Delta H = 28778 \text{ J}\cdot\text{mol}^{-1}$	
$\Delta S = 118.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		$\Delta S = 118.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Molecular Weight</b> 142.2838			
Wiswesser Line Notation 10H			
<b>Evaluation</b> B( $C_p$ ), C(S)			

<b>C<sub>10</sub>H<sub>22</sub></b> (liq)	47OSB/GIN	<b>C<sub>10</sub>H<sub>22</sub></b> (liq)	83SID/SV
n-Decane		n-Decane	
<b>Heat Capacity</b> 298.15 K,	$C_p = 313.97 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 293.15 K,	$C_p = 310.26 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 278 to 318 K.		One temperature.	
<b>Molecular Weight</b> 142.2838		<b>Molecular Weight</b> 142.2838	
<b>Wiswesser Line Notation</b> 10H		<b>Wiswesser Line Notation</b> 10H	
<b>Evaluation</b> A		<b>Evaluation</b> B	
<b>C<sub>10</sub>H<sub>22</sub></b> (liq)	52SCH/SAG	<b>C<sub>10</sub>H<sub>22</sub></b> (liq)	84GRO/IN
n-Decane		n-Decane	
<b>Heat Capacity</b> 299.8 K,	$C_p = 312.29 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p = 313.93 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 80 to 200 °F.		One temperature.	
<b>Molecular Weight</b> 142.2838		<b>Molecular Weight</b> 142.2838	
<b>Wiswesser Line Notation</b> 10H		<b>Wiswesser Line Notation</b> 10H	
<b>Evaluation</b> B		<b>Evaluation</b> B	
<b>C<sub>10</sub>H<sub>22</sub></b> (liq)	54FIN/GRO2	<b>C<sub>10</sub>H<sub>22</sub></b> (liq)	84ROU/GR
n-Decane		n-Decane	
<b>Heat Capacity</b> 298.15 K,	$C_p = 314.47 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p = 314.21 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 12 to 300 K.		One temperature.	
<b>Entropy</b> 298.15 K,	$S = 425.89 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b> 142.2838	
<b>Phase Changes</b>		<b>Wiswesser Line Notation</b> 10H	
c/liq	$\Delta H = 28715 \text{ J} \cdot \text{mol}^{-1}$	<b>Evaluation</b> B	
	$\Delta S = 117.92 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
<b>Molecular Weight</b> 142.2838		<b>C<sub>10</sub>H<sub>22</sub></b> (liq)	85BAL/BR.
<b>Wiswesser Line Notation</b> 10H		n-Decane	
<b>Evaluation</b> A		<b>Heat Capacity</b> 298.15 K,	$C_p = 313.24 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
		One temperature.	
<b>C<sub>10</sub>H<sub>22</sub></b> (liq)	75GRI/RAS	<b>Molecular Weight</b> 142.2838	
n-Decane		<b>Wiswesser Line Notation</b> 10H	
<b>Heat Capacity</b> 298 K,	$C_p = 311.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Evaluation</b> B	
Temperature range 300 to 463 K.			
<b>Molecular Weight</b> 142.2838		<b>C<sub>10</sub>H<sub>22</sub></b> (liq)	85COS/PA
<b>Wiswesser Line Notation</b> 10H		n-Decane	
<b>Evaluation</b> B		<b>Heat Capacity</b> 298.15 K,	$C_p = 314.82 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
		Temperature range 283.15, 298.15, 313.15 K.	
<b>C<sub>10</sub>H<sub>22</sub></b> (liq)	79GRO/HAM	<b>Molecular Weight</b> 142.2838	
n-Decane		<b>Wiswesser Line Notation</b> 10H	
<b>Heat Capacity</b> 298.15 K,	$C_p = 313.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Evaluation</b> B	
One temperature.			
<b>Molecular Weight</b> 142.2838		<b>C<sub>10</sub>H<sub>22</sub></b> (liq)	85LAI/RO
<b>Wiswesser Line Notation</b> 10H		n-Decane	
<b>Evaluation</b> B		<b>Heat Capacity</b> 298.15 K,	$C_p = 312.99 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
		One temperature.	
<b>C<sub>10</sub>H<sub>22</sub></b> (liq)	82WIL/ING	<b>Molecular Weight</b> 142.2838	
n-Decane		<b>Wiswesser Line Notation</b> 10H	
<b>Heat Capacity</b> 298.15 K,	$C_p = 312.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Evaluation</b> B	
One temperature.			
<b>Molecular Weight</b> 142.2838		<b>C<sub>10</sub>H<sub>22</sub></b> (liq)	85LAI/RO
<b>Wiswesser Line Notation</b> 10H		n-Decane	
<b>Evaluation</b> A		<b>Heat Capacity</b> 298.15 K,	$C_p = 313.09 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
		One temperature.	
<b>C<sub>10</sub>H<sub>22</sub></b> (liq)	82ZAR	<b>Molecular Weight</b> 142.2838	
n-Decane		<b>Wiswesser Line Notation</b> 10H	
<b>Heat Capacity</b> 298 K,	$C_p = 312.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Evaluation</b> B	
Temperature range 298, 323, 363 K.			
<b>Molecular Weight</b> 142.2838		<b>C<sub>10</sub>H<sub>22</sub></b> (liq)	85LAI/WI
<b>Wiswesser Line Notation</b> 10H		n-Decane	
<b>Evaluation</b> B		<b>Heat Capacity</b> 298.15 K,	$C_p = 313.09 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
		One temperature.	
<b>Molecular Weight</b> 142.2838		<b>Molecular Weight</b> 142.2838	
<b>Wiswesser Line Notation</b> 10H		<b>Wiswesser Line Notation</b> 10H	
<b>Evaluation</b> A		<b>Evaluation</b> A	

$C_{10}H_{22}$ (liq)		86GAT/WOO	$C_{10}H_{22}$ (liq)		91BAN/GAR
n-Decane			n-Decane		
<b>Heat Capacity</b> 298.15 K,	$C_p = 313.56 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 318.15 K,	$C_p = 323.87 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 298.15 to 368.15 K.			Temperature range 313 to 373 K. $p=0.1 \text{ MPa}$ .		
<b>Molecular Weight</b> 142.2838			<b>Molecular Weight</b> 142.2838		
<b>Wiswesser Line Notation</b> 10H			<b>Wiswesser Line Notation</b> 10H		
<b>Evaluation</b> C			<b>Evaluation</b> B		
$C_{10}H_{22}$ (liq)		86TAR/AIC	$C_{10}H_{22}$ (liq)		91TRE/COS
n-Decane			n-Decane		
<b>Heat Capacity</b> 298.15 K,	$C_p = 315.46 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K,	$C_p = 315.46 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
One temperature.			One temperature.		
<b>Molecular Weight</b> 142.2838			<b>Molecular Weight</b> 142.2838		
<b>Wiswesser Line Notation</b> 10H			<b>Wiswesser Line Notation</b> 10H		
<b>Evaluation</b> B			<b>Evaluation</b> B		
$C_{10}H_{22}$ (liq)		87WIL/ING	$C_{10}H_{22}$ (liq)		93CZA2
n-Decane			n-Decane		
<b>Heat Capacity</b> 298.15 K,	$C_p = 315.46 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 298.9 K,	$C_p = 314.45 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
One temperature.			One temperature. $p=0.1 \text{ MPa}$ .		
<b>Molecular Weight</b> 142.2838			<b>Molecular Weight</b> 142.2838		
<b>Wiswesser Line Notation</b> 10H			<b>Wiswesser Line Notation</b> 10H		
<b>Evaluation</b> B			<b>Evaluation</b> B		
$C_{10}H_{22}$ (liq)		88AND/PAT	$C_{10}H_{22}$ (liq)		30PAR/HUF
n-Decane			2,7-Dimethyloctane		
<b>Heat Capacity</b> 298.15 K,	$C_p = 315.46 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 295.0 K,	$C_p = 301.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
One temperature.			Temperature range 223 to 295 K. Value is unsmoothed experimental datum.		
<b>Molecular Weight</b> 142.2838			<b>Molecular Weight</b> 142.2838		
<b>Wiswesser Line Notation</b> 10H			<b>Wiswesser Line Notation</b> 1Y1&4Y1&1		
<b>Evaluation</b> B			<b>Evaluation</b> B		
$C_{10}H_{22}$ (liq)		88COS/HUU	$C_{10}H_{22}$ (liq)		41PAR/WES
n-Decane			5-Methylnonane		
<b>Heat Capacity</b> 298.15 K,	$C_p = 315.32 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 298.1 K,	$C_p = 314.43 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
One temperature.			Temperature range 80 to 300 K.		
<b>Molecular Weight</b> 142.2838			<b>Entropy</b> 298.1 K,	$S = 423.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Wiswesser Line Notation</b> 10H			Extrapolation below 80 K, 81.09 $\text{J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ .		
<b>Evaluation</b> B			<b>Phase Changes</b>		
$C_{10}H_{22}$ (liq)		88KUZ/KHA	c/liq	186.7 K,	$\Delta H = 16640 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 89.13 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
n-Decane			<b>Molecular Weight</b> 142.2838		
<b>Heat Capacity</b> 298.23 K,	$C_p = 315.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Wiswesser Line Notation</b> 4Y4&1		
Temperature range 293 to 420 K. $p=0.1 \text{ MPa}$ . Unsmoothed experimental datum given as 2.214 kJ/kg·K.			<b>Evaluation</b> B( $C_p$ ),C(S)		
<b>Molecular Weight</b> 142.2838					
<b>Wiswesser Line Notation</b> 10H					
<b>Evaluation</b> B					
$C_{10}H_{22}$ (liq)		88PER/AIC	$C_{10}H_{22}$ (liq)		41PAR/WES
n-Decane			4-Methylnonane(DL)		
<b>Heat Capacity</b> 298.15 K,	$C_p = 313.46 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 298.1 K,	$C_p = 317.36 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
One temperature.			Temperature range 80 to 300 K.		
<b>Molecular Weight</b> 142.2838			<b>Entropy</b> 298.1 K,	$S = 425.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Wiswesser Line Notation</b> 10H			Extrapolation below 80 K, 78.99 $\text{J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ .		
<b>Evaluation</b> A			<b>Phase Changes</b>		
$C_{10}H_{22}$ (liq)		88PIN/BRA	c/liq	174.7 K,	$\Delta H = 15188 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 86.94 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
n-Decane			<b>Molecular Weight</b> 142.2838		
<b>Heat Capacity</b> 298.15 K.	$C_p = 313.13 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Wiswesser Line Notation</b> 5Y3&1 -DL		
One temperature.			<b>Evaluation</b> B( $C_p$ ),C(S)		
<b>Molecular Weight</b> 142.2838					
<b>Wiswesser Line Notation</b> 10H					
<b>Evaluation</b> B					

$C_{10}H_{22}$ (liq)		41PAR/WES	$C_{10}H_{22}O$ (liq)		79SVE
3-Methylnonane(DL)			1-Decanol; n-Decyl alcohol		
<b>Heat Capacity</b>	298.1 K, Temperature range 80 to 300 K.	$C_p = 308.99 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	301 K, Temperature range 301 to 461 K.	$C_p = 377 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Entropy</b>	298.1 K, Extrapolation below 80 K, $77.70 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ .	$S = 427.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Phase Changes</b>	liq/g 323.15 K,	$\Delta H = 78180 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 241.93 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Phase Changes</b>	c/liq	188.5 K, $\Delta H = 18698 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 99.20 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			No pressure measurement.
<b>Molecular Weight</b>	142.2838		<b>Molecular Weight</b>	158.2832	
<b>Wiswesser Line Notation</b>	6Y2&1 -DL		<b>Wiswesser Line Notation</b>	Q10	
<b>Evaluation</b>	B( $C_p$ ),C(S)		<b>Evaluation</b>	B	
$C_{10}H_{22}$ (liq)		41PAR/WES	$C_{10}H_{22}O$ (liq)		85COS/PAT
2-Methylnonane			1-Decanol; n-Decyl alcohol		
<b>Heat Capacity</b>	298.1 K, Temperature range 80 to 300 K.	$C_p = 313.30 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K, Temperature range 283.15, 298.15, 313.15 K.	$C_p = 369.96 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Entropy</b>	298.1 K, Extrapolation below 80 K, $81.42 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ .	$S = 420.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Molecular Weight</b>	158.2832	
<b>Phase Changes</b>	c/liq	198.8 K, $\Delta H = 17489 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 87.97 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Wiswesser Line Notation</b>	Q10	
<b>Molecular Weight</b>	142.2838		<b>Evaluation</b>	B	
<b>Wiswesser Line Notation</b>	7Y1&1				
<b>Evaluation</b>	B( $C_p$ ),C(S)				
$C_{10}H_{22}N_2O_{10}$ (c,I)		77CLA/CLE	$C_{10}H_{22}O$ (liq)		88AND/PAT
Urea-trioxane inclusion compound			1-Decanol; n-Decyl alcohol		
<b>Heat Capacity</b>	298.15 K, Temperature range 15 to 300 K.	$C_p = 400.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K, One temperature.	$C_p = 372.98 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Phase Changes</b>	c,IV/c,III	189.91 K, $\Delta H = 715.1 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 3.77 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Molecular Weight</b>	158.2832	
		$\Delta S$ given in article does not agree with $\Delta H$ and T.	<b>Wiswesser Line Notation</b>	Q10	
	c,III/c,II	200.8 K, $\Delta H = 633.5 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 3.15 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Evaluation</b>	B	
		$\Delta S$ given in article does not agree with $\Delta H$ and T.			
	c,II/c,I	242.51 K, $\Delta H = 1878 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 7.74 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
		$\Delta S$ given in article does not agree with $\Delta H$ and T.			
<b>Molecular Weight</b>	330.2912				
<b>Wiswesser Line Notation</b>	T6O CO EOTJ 3 &ZVZ				
<b>Evaluation</b>	A				
$C_{10}H_{22}N_4$ (liq)		88BOB/KAM	$C_{10}H_{22}O$ (liq)		88NAZ/BAS
Dipiperazinylethane			1-Decanol; n-Decyl alcohol		
<b>Heat Capacity</b>	413 K, Temperature range 413 to 473 K.	$C_p = 540 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	304.05 K, Temperature range 304 to 497 K. p=0.1 MPa. Unsmoothed experimental datum given as 2.45 kJ/kg·K. $C_p$ data given at pressures from 0.1 to 50 MPa.	$C_p = 387.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b>	174.2886		<b>Molecular Weight</b>	158.2832	
<b>Wiswesser Line Notation</b>	T6M DNTJ D2- DT6M DNTJ		<b>Wiswesser Line Notation</b>	Q2Y1&3Y1&1	
<b>Evaluation</b>	D		<b>Evaluation</b>	B	
$C_{10}H_{22}O$ (liq)		75WOY/KAI	$C_{10}H_{22}O$ (liq)		88CAC/COS
1-Decanol; n-Decyl alcohol			3,7-Dimethyl-1-octanol		
<b>Heat Capacity</b>	303.15 K, One temperature.	$C_p = 377.30 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K, One temperature.	$C_p = 367.21 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b>	158.2832		<b>Molecular Weight</b>	158.2832	
<b>Wiswesser Line Notation</b>	Q10		<b>Wiswesser Line Notation</b>	QX3&3&3	
<b>Evaluation</b>	B		<b>Evaluation</b>	B	
$C_{10}H_{22}O$ (liq)		79GRI/YAN	$C_{10}H_{22}O$ (liq)		88CAC/COS
1-Decanol; n-Decyl alcohol			4-Propyl-4-heptanol		
<b>Heat Capacity</b>	305.79 K, Temperature range 305 to 463 K. p=0.98 bar.	$C_p = 377.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K, One temperature.	$C_p = 446.60 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b>	158.2832		<b>Molecular Weight</b>	158.2832	
<b>Wiswesser Line Notation</b>	Q10		<b>Wiswesser Line Notation</b>	QY5&4	
<b>Evaluation</b>	B		<b>Evaluation</b>	B	
$C_{10}H_{22}O$ (liq)			$C_{10}H_{22}O$ (liq)		88CAC/COS
1-Decanol; n-Decyl alcohol			5-Decanol		
<b>Heat Capacity</b>	305.79 K, Temperature range 305 to 463 K. p=0.98 bar.	$C_p = 377.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K, One temperature.	$C_p = 405.77 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b>	158.2832		<b>Molecular Weight</b>	158.2832	
<b>Wiswesser Line Notation</b>	Q10		<b>Wiswesser Line Notation</b>	QY5&4	
<b>Evaluation</b>	B		<b>Evaluation</b>	B	

$C_{10}H_{22}O_2$ (liq)		47CON/ELV	$C_{10}H_{24}N_4$ (c)		80CLA/STE
6-Methyl-5,7-dioxaundecane; Acetaldehyde dibutyl acetal			Cyclam; 1,4,8,11-tetraazacyclotetradecane		
<b>Heat Capacity</b> 298 K, $C_p=352.20 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			<b>Heat Capacity</b> 298.15 K, $C_p=374.61 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		
Temperature range 298 to 353 K.			One temperature. $C_p$ given as $1.87 \text{ J}\cdot\text{g}^{-1}\cdot\text{K}^{-1}$ .		
<b>Molecular Weight</b> 174.2826			<b>Molecular Weight</b> 200.3264		
Wiswesser Line Notation 4OY1&O4			Wiswesser Line Notation T14M DM HM KMTJ		
Evaluation B			Evaluation B		
$C_{10}H_{22}O_5$ (liq)		91TRE/COS	$C_{10}H_{24}N_4 \cdot Cu(NO_3)_2$ (c)		80CLA/STE
2,5,8,11,14-Pentaoxapentadecane			Bis(nitroato)(1,4,8,11-tetraazacyclotetradecane) copper (II); 1,4,8,11-tetraazacyclotetradecane copper (II) nitrate		
<b>Heat Capacity</b> 298.15 K, $C_p=457.10 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			<b>Heat Capacity</b> 298.15 K, $C_p=915.40 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		
One temperature.			One temperature. $C_p$ given as $2.36 \text{ J}\cdot\text{g}^{-1}\cdot\text{K}^{-1}$ .		
<b>Molecular Weight</b> 222.2808			<b>Molecular Weight</b> 387.8822		
Wiswesser Line Notation 1O2O2O2O2O1			Wiswesser Line Notation T14M DM HM KMTJ &.CU..N-O3*2		
Evaluation B			Evaluation B		
$C_{10}H_{22}O_6$ (liq)		79STE/TAM	$C_{10}H_{25}N_5$ (liq)		88BOB/KAM
1,14-Dihydroxy-3,6,9,12-tetraoxatetradecane; Pentaethylene glycol			N-(2-Aminoethyl)-N'-(2-aminoethyl)2-aminoethyl] piperazine		
<b>Heat Capacity</b> 298 K, $C_p=515.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			<b>Heat Capacity</b> 333 K, $C_p=529 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		
Temperature range 273 to 513 K.			Temperature range 333 to 473 K.		
<b>Molecular Weight</b> 238.2802			<b>Molecular Weight</b> 191.3190		
Wiswesser Line Notation Q2O2O2O2O2Q			Wiswesser Line Notation T6N DNTJ A2M2Z D2Z		
Evaluation B			Evaluation D		
$C_{10}H_{22}S$ (liq)		66GOO/DEP	$C_{10}H_{26}N_6S_3$ (c,I)		72COP/GAN
1-Decanethiol; n-Decyl mercaptan			Cycloheptane-thiourea adduct; Thiourea-cycloheptane adduct		
<b>Heat Capacity</b> 298.15 K, $C_p=349.63 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			<b>Heat Capacity</b> 298.15 K, $C_p=148.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		
One temperature.			Temperature range 12 to 300 K. Values for one mole of thiourea.		
<b>Molecular Weight</b> 174.3438			<b>Entropy</b> 298.15 K, $S=179.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		
Wiswesser Line Notation SH10			Does not include possible zero-point entropy.		
Evaluation A			<b>Phase Changes</b>		
$C_{10}H_{22}S$ (liq)		70FIN/MCC	c,V/c,IV	162.4 K, $\Delta H=368 \text{ J}\cdot\text{mol}^{-1}$	$\Delta S=2.24 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
1-Decanethiol; n-Decyl mercaptan			c,IV/c,III	241 K, $\Delta H=568 \text{ J}\cdot\text{mol}^{-1}$	$\Delta S=2.36 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Heat Capacity</b> 298.15 K, $C_p=350.41 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			c,III/c,II	262 K, $\Delta H=93 \text{ J}\cdot\text{mol}^{-1}$	$\Delta S=0.36 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 10 to 370 K.					Shallow hump at 270 to 290 K, $\Delta H=4802 \text{ J}\cdot\text{mol}^{-1}$ (thiourea), $\Delta S=34.50 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ .
<b>Entropy</b> 298.15 K, $S=476.13 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			<b>Molecular Weight</b> 326.5356		
<b>Phase Changes</b>			Wiswesser Line Notation ZYZUS 3 &L7TJ		
c/liq	247.86 K,		Evaluation A		
$\Delta H=33317 \text{ J}\cdot\text{mol}^{-1}$					
$\Delta S=134.42 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$					
<b>Molecular Weight</b> 174.3438					
Wiswesser Line Notation SH10					
Evaluation A					
$C_{10}H_{22}S$ (liq)		82TUT/GAB	$C_{10}H_{26}O_3Si_3$ (liq)		87DZH/KUL3
1-Decanethiol; n-Decyl mercaptan			1,1,3,3-Tetraethyl-5,5-dimethylcyclotrisiloxane		
<b>Heat Capacity</b> 300 K, $C_p=365.44 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			<b>Heat Capacity</b> 298.15 K, $C_p=502.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		
Temperature range 273 to 373 K. $C_p=346.70+3.600\times 10^{-2}T + 8.824\times 10^{-5}T^2$			Temperature range 5 to 300 K.		
<b>Molecular Weight</b> 174.3438			<b>Entropy</b> 298.15 K, $S=616.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		
Wiswesser Line Notation SH10			<b>Phase Changes</b>		
Evaluation B			c,II/c,I	195–210 K, $\Delta H=131 \text{ J}\cdot\text{mol}^{-1}$	$\Delta S=0.946 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
$\Delta H=1312.5 \text{ J}\cdot\text{mol}^{-1}$			c,I/liq	260.03 K, $\Delta H=9522 \text{ J}\cdot\text{mol}^{-1}$	$\Delta S=36.75 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
$\Delta S=5.38 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			<b>Molecular Weight</b> 278.5701		
<b>Molecular Weight</b> 193.7593			Wiswesser Line Notation T6-SI-O-SI-O-SI-OTJ A2 A2 C2 E1 E1		
Wiswesser Line Notation 5M5 &GH			Evaluation A		
Evaluation A					
$C_{10}H_{24}ClN$ (c)		88VAN/WHI			
Di-n-pentylammonium chloride					
<b>Heat Capacity</b> 296.32 K, $C_p=353.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$					
Temperature range 25 to 350 K. Unsmoothed experimental datum.					
<b>Phase Changes</b>					
c,II/c,I	243.84 K,	$\Delta H=1312.5 \text{ J}\cdot\text{mol}^{-1}$			
		$\Delta S=5.38 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
<b>Molecular Weight</b> 193.7593					
Wiswesser Line Notation 5M5 &GH					
Evaluation A					

$C_{10}H_{25}O_5U$ (liq)		65FER/SCO	$C_{11}H_{10}$ (liq)		31HUF/PAF
Uranium pentaethylate			2-Methylnaphthalene		
<b>Heat Capacity</b>	298.15 K, Temperature range 20 to 400 K.	$C_p = 392.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	310.4 K, Temperature range 94 to 310 K. Value is unsmoothed experimental datum.	$C_p = 228.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Entropy</b>	298.15 K,	$S = 561.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Entropy</b>	298.1 K, Extrapolation below 90 K, 65.86 $\text{J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ . Value is for crystal. Did not observe transition at 288 K with $\Delta S = 19.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ .	$S = 203.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Phase Changes</b>	c,II/c,I 223.8 K, c,I/liq 257.5 K,	$\Delta H = 14034 \text{ J}\cdot\text{mol}^{-1}$ $\Delta H = 2375 \text{ J}\cdot\text{mol}^{-1}$	<b>Phase Changes</b>	c/liq 307.2 K,	$\Delta H = 11966 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 39.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b>	403.2785		<b>Molecular Weight</b>	142.2000	
<b>Wiswesser Line Notation</b>	20-U-O2&O2&O2&O2		<b>Wiswesser Line Notation</b>	L66J C1	
<b>Evaluation</b>	A		<b>Evaluation</b>	B( $C_p$ ,C(S))	
$C_{10}H_{28}Cl_4MnN_2$ (c)		75BOC/ARR	$C_{11}H_{10}$ (liq)		57MCC/FI
Tetrachlorobis-(pentylammonium) manganese II			2-Methylnaphthalene		
<b>Phase Changes</b>	c,IV/c,III 203 K.	$\Delta H = 53.2 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 0.26 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K, Temperature range 10 to 400 K.	$C_p = 195.98 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c,III/c,II	208 K,	$\Delta H = 506.8 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 2.43 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Entropy</b>	298.15 K,	$S = 219.99 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c,II/c,I	364 K,	$\Delta H = 3.6 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 0.009 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Phase Changes</b>	c,II/c,I 288.5 K,	$\Delta H = 5606 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 19.43 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b>	373.0946		c,I/liq	307.73 K,	$\Delta H = 12125 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 39.40 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Wiswesser Line Notation</b>	5ZH 2 .MN G4		<b>Molecular Weight</b>	142.2000	
<b>Evaluation</b>	A		<b>Wiswesser Line Notation</b>	L66J C1	
$C_{10}H_{28}Cl_4N_2Zn$ (c)		84CUE/TEL	<b>Evaluation</b>	A	
Bis-pentylammonium tetrachloro zincate			$(C_{11}H_{10}N_2O)_n$ (c)		91ROL
<b>Heat Capacity</b>	300 K, Temperature range 55 to 355 K.	$C_p = 518.27 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	300 K, Temperature range 220 to 390 K.	$C_p = 190.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Entropy</b>	300 K,	$S = 525.82 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Molecular Weight</b>	186.2128	
<b>Phase Changes</b>	c,V/c,IV 141.5 K,	$\Delta H = 441 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 3.08 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Wiswesser Line Notation</b>	/*VY1- DT56 BMJ &M*/ -L	
c,IV/c,III	147.95 K,	$\Delta H = 499 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 3.33 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Evaluation</b>	B	
c,III/c,II	249.95 K,	$\Delta H = 3584 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 14.38 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	$(C_{11}H_{10}N_2O)_n$ (c)		93ROL/XE
c,II/c,I	349.05 K,	$\Delta H = 8672 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 24.36 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	Poly-L-tryptophane		
c,I/liq	437 K, Solid-isotropic liquid.	$\Delta H = 6800 \text{ J}\cdot\text{mol}^{-1}$	<b>Heat Capacity</b>	300 K, Temperature range 220 to 390 K.	$C_p = 190.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b>	383.5366		<b>Molecular Weight</b>	186.2128	
<b>Wiswesser Line Notation</b>	5ZH 2 .ZN G4		<b>Wiswesser Line Notation</b>	/*VY1- DT56 BMJ &M*/ -L	
<b>Evaluation</b>	B		<b>Evaluation</b>	B	
$C_{11}H_{10}$ (liq)		57MCC/FIN	<b>Molecular Weight</b>	206.1976	
1-Methylnaphthalene			<b>Wiswesser Line Notation</b>	QVR DOVY1&U1	
<b>Heat Capacity</b>	298.15 K, Temperature range 10 to 370 K.	$C_p = 224.39 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Evaluation</b>	A	
<b>Entropy</b>	298.15 K,	$S = 254.81 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	$C_{11}H_{10}O_4$ (c)		84LEB/LEI
<b>Phase Changes</b>	c,II/c,I 240.70 K,	$\Delta H = 4979 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 20.68 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	p-Methacryloyloxybenzoic acid		
c,I/liq	242.70 K,	$\Delta H = 6945 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 28.62 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K, Temperature range 10 to 350 K.	$C_p = 257.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b>	142.2000		<b>Entropy</b>	298.15 K,	$S = 284.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Wiswesser Line Notation</b>	L66J B1		<b>Phase Changes</b>	c/liq 455 K,	$\Delta H = 34000 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 75 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Evaluation</b>	A		<b>Molecular Weight</b>	206.1976	
$(C_{11}H_{10}O_4)_n$ (gls)			<b>Wiswesser Line Notation</b>	/*X1*&1&VOR DVQ/	
Poly-p-methacryloyloxybenzoic acid			<b>Evaluation</b>	A	
<b>Heat Capacity</b>	298.15 K, Temperature range 10 to 350 K.		$C_{11}H_{10}O_4$ (gls)		84LEB/LEI
<b>Entropy</b>	298.15 K,		Poly-p-methacryloyloxybenzoic acid		
<b>Phase Changes</b>	c,II/liq T(glass)=316 K.		<b>Heat Capacity</b>	298.15 K, Temperature range 10 to 350 K.	$C_p = 258.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b>	206.1976		<b>Entropy</b>	298.15 K,	$S = 261.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Wiswesser Line Notation</b>	/*X1*&1&VOR DVQ/		<b>Molecular Weight</b>	206.1976	
<b>Evaluation</b>	A		<b>Wiswesser Line Notation</b>	/*X1*&1&VOR DVQ/	

$C_{11}H_{11}F_6FeP$ (c) (Cyclohexatriene)(cyclopentadienyl) iron(II) hexafluorophosphate	86SOR/SHI	$C_{11}H_{12}O_2$ (liq) 4-Carbomethoxyhomocubane	84BEC/RUE
<b>Heat Capacity</b> Temperature range 12 to 393 K. Data given graphically.		<b>Heat Capacity</b> 298 K, $C_p$ given as 0.391 cal·K <sup>-1</sup> ·g <sup>-1</sup> .	$C_p = 288 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Phase Changes</b> c,V/c,IV 158.3 K, $\Delta H = 1190 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 8.01 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Phase Changes</b> liq/g 303–343 K. $\Delta H = 79956 \text{ J}\cdot\text{mol}^{-1}$ Derived from vapor pressure measurements.	
c,IV/c,III 265.9 K		<b>Molecular Weight</b> 176.2146	
c,III/c,II 280.2 K		<b>Wiswesser Line Notation</b> L444 B4 D5 4ABCD ITJ AVO1	
c,II/c,I 321.5 K, $\Delta H = 4540 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 14.55 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Evaluation</b> B	
$\Delta H$ and $\Delta S$ are total of c,IV/c,III; c,III/c,II; and c,II/c,I transitions.			
<b>Molecular Weight</b> 344.0191		$C_{11}H_{13}N_3O$ (c)	41SAT/SOG2
<b>Wiswesser Line Notation</b> L6φJ φ-FE- φL5φJ &PFFFFFF		<b>Aminooxyantipyrine</b>	
<b>Evaluation</b> A		<b>Heat Capacity</b> 323 K, $C_p = 294.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Temperature range 0 to 100 °C. Mean value.	
$C_{11}H_{12}N_3O$ (c)	41SAT/SOG2	<b>Molecular Weight</b> 203.2432	
Antipyrine		<b>Wiswesser Line Notation</b> T5NNVJ A1 BR& D7 E1	
<b>Heat Capacity</b> 323 K, $C_p = 268.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Temperature range 0 to 100 °C. Mean value.		<b>Evaluation</b> C	Same data as 40SAT/SOG3.
<b>Molecular Weight</b> 188.2286		$C_{11}H_{14}$ (liq)	81LEE/FIN
<b>Wiswesser Line Notation</b> T5NNVJ A1 BR& E1		1,1-Dimethylindan	
<b>Evaluation</b> C		<b>Heat Capacity</b> 298.15 K, $C_p = 249.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Temperature range 10 to 400 K.	
Same data as 40SAT/SOG3.		<b>Entropy</b> 298.15 K, $S = 288.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
$C_{11}H_{12}N_2O_2$ (c)	63COL/HUT	<b>Phase Changes</b>	
Tryptophane(L)		c/liq 227.35 K, $\Delta H = 11993 \text{ J}\cdot\text{mol}^{-1}$	
<b>Heat Capacity</b> 298.15 K, $C_p = 238.15 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Temperature range 11 to 305 K.		<b>Molecular Weight</b> 146.2316	
<b>Entropy</b> 298.15 K, $S = 251.04 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Wiswesser Line Notation</b> L56 T&J B1 B1	
<b>Molecular Weight</b> 204.2280		<b>Evaluation</b> A	
<b>Wiswesser Line Notation</b> T56 BMJ D1YZVQ -L		$C_{11}H_{14}$ (liq)	81LEE/FIN
<b>Evaluation</b> A		4,6-Dimethylindan	
$C_{11}H_{12}N_2O_4$ (c)	41HUF	<b>Heat Capacity</b> 298.15 K, $C_p = 240.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Temperature range 10 to 400 K.	
Hippurylglycine		<b>Entropy</b> 298.15 K, $S = 295.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Heat Capacity</b> 296.7 K, $C_p = 277.52 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Temperature range 85 to 297 K.		<b>Phase Changes</b>	
<b>Entropy</b> 298.1 K, $S = 314.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Extrapolation below 90 K, 101.01 J·mol <sup>-1</sup> ·K <sup>-1</sup> .		c/liq 256.45 K, $\Delta H = 12881 \text{ J}\cdot\text{mol}^{-1}$	
<b>Molecular Weight</b> 236.2268		<b>Molecular Weight</b> 146.2316	
<b>Wiswesser Line Notation</b> QV1MV1MVR		<b>Wiswesser Line Notation</b> L56 T&J F1 H1	
<b>Evaluation</b> A( $C_p$ ),C(S)		<b>Evaluation</b> A	
$C_{11}H_{12}O_2$ (liq)	58DVO	$C_{11}H_{14}$ (liq)	81LEE/FIN
Benzyl methacrylate		4,7-Dimethylindan	
<b>Heat Capacity</b> 296.6 K, $C_p = 269.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ One temperature.		<b>Heat Capacity</b> 298.15 K, $C_p = 241.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Temperature range 10 to 400 K.	
<b>Molecular Weight</b> 176.2146		<b>Entropy</b> 298.15 K, $S = 293.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Wiswesser Line Notation</b> IUY1&VOIR		<b>Phase Changes</b>	
<b>Evaluation</b> C		c/liq 272.635 K, $\Delta H = 13517 \text{ J}\cdot\text{mol}^{-1}$	
$C_{11}H_{12}O_2$ (liq)	1881REI	<b>Molecular Weight</b> 146.2316	
trans-Ethyl cinnamate		<b>Wiswesser Line Notation</b> L56 T&J F1 I1	
<b>Heat Capacity</b> 298 K, $C_p = 274.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Temperature range 289 to 465 K.		<b>Evaluation</b> A	
<b>Molecular Weight</b> 176.2146		$C_{11}H_{14}N_2$ (c)	81LEB/RYA
<b>Wiswesser Line Notation</b> 2OV1U1R -T		Gramine; 3-Dimethylaminomethyl indole	
<b>Evaluation</b> D		<b>Heat Capacity</b> 298 K, $C_p = 283.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Temperature range 298 to 393 K. Data given over temperature range.	
		<b>Molecular Weight</b> 174.2450	
		<b>Wiswesser Line Notation</b> T56 BMJ D1N1&1	
		<b>Evaluation</b> B	

$C_{11}H_{14}O_2$ (liq)		1881REI	$C_{11}H_{15}N$ (c)		87MEI/DO
Ethyl hydrocinnamate			1-Adamantyl cyanide		
<b>Heat Capacity</b> 298 K,	$C_p = 286.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K,	$C_p = 218.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 289 to 457 K.			One temperature.		
<b>Molecular Weight</b> 178.2304			<b>Molecular Weight</b> 161.2462		
Wiswesser Line Notation 2OV2R			Wiswesser Line Notation L66 B6 /B-H/ A B- C 1B ITJ FCN		
<b>Evaluation</b> D			<b>Evaluation</b> C		
$C_{11}H_{14}O_2$ (c)		88COL/JIM	$C_{11}H_{15}N$ (c)		92ABB/JIM
2,3,4,5-Tetramethylbenzoic acid			1-Adamantyl cyanide		
<b>Heat Capacity</b> 298.15 K,	$C_p = 249.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K,	$C_p = 201.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
One temperature.			One temperature.		
<b>Molecular Weight</b> 178.2304			<b>Molecular Weight</b> 161.2462		
Wiswesser Line Notation QVR B1 C1 D1 E1			Wiswesser Line Notation L66 B6 /B-H/ A B- C 1B ITJ FCN		
<b>Evaluation</b> B			<b>Evaluation</b> B		
$C_{11}H_{14}O_2$ (c)		88COL/JIM	$C_{11}H_{15}N$ (c)		87MEI/DO
2,3,4,6-Tetramethylbenzoic acid			1-Adamantyl isonitrile		
<b>Heat Capacity</b> 298.15 K,	$C_p = 267.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K,	$C_p = 215.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
One temperature.			One temperature.		
<b>Molecular Weight</b> 178.2304			<b>Molecular Weight</b> 161.2462		
Wiswesser Line Notation QVR B1 C1 D1 F1			Wiswesser Line Notation L66 B6 /B-H/ A B- C 1B ITJ FNC		
<b>Evaluation</b> B			<b>Evaluation</b> C		
$C_{11}H_{14}O_2$ (c)		88COL/JIM	$C_{11}H_{16}$ (c,I)		31HUF/PA
2,3,5,6-Tetramethylbenzoic acid			Pentamethylbenzene		
<b>Heat Capacity</b> 298.15 K,	$C_p = 231.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 283.8 K,	$C_p = 251.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
One temperature.			Temperature range 92 to 304 K. Value is unsmoothed experiment datum.		
<b>Molecular Weight</b> 178.2304			<b>Entropy</b> 298.1 K,	$S = 294.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Wiswesser Line Notation QVR B1 C1 E1 F1			Extrapolation below 90 K, $102.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ .		
<b>Evaluation</b> B			<b>Phase Changes</b>		
 			c,II/c,I 296.8 K, $\Delta H = 1979 \text{ J}\cdot\text{mol}^{-1}$		
$C_{11}H_{14}O_3$ (liq)		93GIM/AUD	$\Delta S = 6.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		
tert-Butyl peroxybenzoate			<b>Molecular Weight</b> 148.2474		
<b>Heat Capacity</b>			Wiswesser Line Notation 1R B1 C1 D1 E1		
Temperature range 293 to 353 K. $C_p(\text{liq}) = 1.03 + 2.13e^{-3}T(\text{K}) \text{ J/K}\cdot\text{g}$ (20 to 80 °C).			<b>Evaluation</b> B( $C_p$ ), C(S)		
<b>Molecular Weight</b> 178.2304			 		
Wiswesser Line Notation IX1&I&OOVR			$C_{11}H_{16}$ (c)		33FER/TH
<b>Evaluation</b> B			Pentamethylbenzene		
 			<b>Heat Capacity</b> 303 K,	$C_p = 267.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
$C_{11}H_{15}Cl$ (c)		82GYO/YOS	Temperature range 303 to 393 K.		
Chloropentamethylbenzene			<b>Phase Changes</b>		
<b>Heat Capacity</b> 300 K,	$C_p = 244.60 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		c,II/c,I 296.35 K, $\Delta H = 1799 \text{ J}\cdot\text{mol}^{-1}$		
Temperature range 3 to 300 K. $C_p$ for phases II, III, and IV.			c,I/liq 327.45 K, $\Delta H = 12343 \text{ J}\cdot\text{mol}^{-1}$		
<b>Entropy</b> 300 K, $S = 311.48 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			<b>Molecular Weight</b> 148.2474		
Temperature range 300 K, S for phases II, III, and IV.			Wiswesser Line Notation 1R B1 C1 D1 E1		
<b>Phase Changes</b>			<b>Evaluation</b> C		
c,IV/c,III 84.0 K, $\Delta H = 930 \text{ J}\cdot\text{mol}^{-1}$			 		
$\Delta S = 11.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			$C_{11}H_{16}$ (c,I)		44E
c,III/c,II 153.5 K, $\Delta H = 1330 \text{ J}\cdot\text{mol}^{-1}$			Pentamethylbenzene		
$\Delta S = 8.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			<b>Heat Capacity</b> 298.1 K,	$C_p = 270.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
c,II'/c,II 180.4 K, $\Delta H = 1330 \text{ J}\cdot\text{mol}^{-1}$			Temperature range 25 to 200 °C, equations only, in t °C		
$\Delta S = 7.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			$C_p(c) = 0.3914 + 0.001760t \text{ cal}\cdot\text{g}^{-1}\cdot\text{K}^{-1}$ (25 to 40 °C)		
c,III'/c,II 187.2 K, $\Delta H = 1500 \text{ J}\cdot\text{mol}^{-1}$			$C_p(\text{liq}) = 0.432 + 0.000425t \text{ cal}\cdot\text{g}^{-1}\cdot\text{C}^{-1}$ (55 to 200 °C).		
$\Delta S = 8.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			<b>Phase Changes</b>		
Phase changes c,II'/c,II and c,III'/c,II are monotropic transitions.			c/liq 328.2 K, $\Delta H = 10670 \text{ J}\cdot\text{mol}^{-1}$		
<b>Molecular Weight</b> 182.6925			$\Delta S = 32.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		
Wiswesser Line Notation GR B1 C1 D1 E1 F1			<b>Molecular Weight</b> 148.2474		
<b>Evaluation</b> A			Wiswesser Line Notation 1R B1 C1 D1 E1		
<b>Evaluation</b> C			<b>Evaluation</b> C		

$C_{11}H_{16}$ (c) Pentamethylbenzene <b>Heat Capacity</b> 298.15 K, One temperature. <b>Molecular Weight</b> 148.2474 <b>Wiswesser Line Notation</b> 1R B1 C1 D1 E1 <b>Evaluation</b> C	89COL/JIM $C_p = 210.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	$(C_{11}H_{17}N_3O_3)_n$ (c) Poly-L-proline- glycine- proline copolymer <b>Heat Capacity</b> 300 K, Temperature range 220 to 390 K. <b>Molecular Weight</b> 251.2846 <b>Wiswesser Line Notation</b> /*V- BT5NTJ AV1MV- BT5NTJ A*/ -L <b>Evaluation</b> B	91ROL $C_p = 300.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
$C_{11}H_{16}Si$ (liq) Vinyldimethylbenzylsilane <b>Heat Capacity</b> 298.15 K, Temperature range 9 to 330 K. <b>Entropy</b> 298.15 K, <b>Phase Changes</b> c,II/liq 199.57 K, c,I/liq 204.14 K, <b>Molecular Weight</b> 176.3329 <b>Wiswesser Line Notation</b> 1U1-SI-1&1&1R <b>Evaluation</b> A T(glass)=145 K.	79LEB/LEB2 $C_p = 312.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ $S = 399.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ $\Delta H = 10900 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 54.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ $\Delta H = 11570 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 56.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	$(C_{11}H_{17}N_3O_3)_n$ (c) Poly-L-proline- glycine- proline copolymer <b>Heat Capacity</b> 300 K, Temperature range 220 to 390 K. <b>Molecular Weight</b> 251.2846 <b>Wiswesser Line Notation</b> /*V BT5NTJ AV1MV- BT5NTJ A*/ -L <b>Evaluation</b> B	93ROL/WUN $C_p = 300.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
$C_{11}H_{16}Si$ (liq) Vinyldimethylbenzylsilane <b>Heat Capacity</b> 298.15 K, Temperature range 5 to 330 K. <b>Entropy</b> 298.15 K, <b>Phase Changes</b> c/liq 204.14 K, <b>Molecular Weight</b> 176.3329 <b>Wiswesser Line Notation</b> 1U1-SI-1&1&1R <b>Evaluation</b> A T(glass)=145 K.	81LEB/LEB $C_p = 312.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ $S = 399.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ $\Delta H = 11600 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 56.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	$C_{11}H_{18}BrN$ (c) 5-Phenylpentylammonium bromide <b>Phase Changes</b> c,II/c,I 345 K, <b>Molecular Weight</b> 244.1739 <b>Wiswesser Line Notation</b> Z5R &EH <b>Evaluation</b> A	89VAN/WHI $\Delta H = 17600 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 6.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
$(C_{11}H_{16}Si)_n$ (gls) Polyvinyldimethylbenzylsilane <b>Heat Capacity</b> 298.15 K, Temperature range 5 to 330 K. Highly elastic state. <b>Entropy</b> 298.15 K, <b>Molecular Weight</b> 176.3329 <b>Wiswesser Line Notation</b> /*Y*-SI-1&1&1R/ <b>Evaluation</b> A T(glass)=279 K.	81LEB/LEB $C_p = 310.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ $S = 294.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	$C_{11}H_{18}ClN$ (c) 5-Phenylpentylammonium chloride <b>Phase Changes</b> c,II/c,I 359 K, <b>Molecular Weight</b> 199.7229 <b>Wiswesser Line Notation</b> Z5R &GH <b>Evaluation</b> A	89VAN/WHI $\Delta H = 19500 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 6.58 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
$(C_{11}H_{16}Si)_n$ (gls) Polyvinyldimethylbenzylsilane <b>Heat Capacity</b> 298.15 K, Temperature range 9 to 330 K. <b>Entropy</b> 298.15 K, <b>Molecular Weight</b> 176.3329 <b>Wiswesser Line Notation</b> /*Y*-SI-1&1&1R/ <b>Evaluation</b> A T(glass)=279 K.	79LEB/LEB2 $C_p = 310.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ $S = 294.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	$C_{11}H_{20}$ (liq) Ethylhydroindan <b>Heat Capacity</b> 311 K, Temperatures 100, 200, 300 °F. <b>Molecular Weight</b> 152.2790 <b>Wiswesser Line Notation</b> L56TJ X2 <b>Evaluation</b> C	62GOL/BEL $C_p = 281.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
$(C_{11}H_{16}Si)_n$ (gls) Polyvinyldimethylbenzylsilane <b>Heat Capacity</b> 298.15 K, Temperature range 9 to 330 K. <b>Entropy</b> 298.15 K, <b>Molecular Weight</b> 176.3329 <b>Wiswesser Line Notation</b> /*Y*-SI-1&1&1R/ <b>Evaluation</b> A T(glass)=279 K.	79LEB/LEB2 $C_p = 310.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ $S = 294.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	$C_{11}H_{20}$ (liq) Ethylhydroindan <b>Heat Capacity</b> 313 K, Temperature range 313 to 423 K. <b>Molecular Weight</b> 152.2790 <b>Wiswesser Line Notation</b> L56TJ X2 <b>Evaluation</b> C	63GUD/CAM $C_p = 279.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
$C_{11}H_{17}NO$ (c) 1-Adamantyl carboxamide <b>Heat Capacity</b> 298.15 K, One temperature. $C_p$ given as $1.23 \text{ J}\cdot\text{g}^{-1}\cdot\text{K}^{-1}$ . <b>Phase Changes</b> c/g 298.15 K, <b>Molecular Weight</b> 179.2614 <b>Wiswesser Line Notation</b> L66 B6/B-HDI A B- C 1B ITJ BVZ <b>Evaluation</b> A	89ABB/JIM $C_p = 220.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ $\Delta H = 108000 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 362.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	$C_{11}H_{20}$ (liq) $\alpha$ -Methyldecalin <b>Heat Capacity</b> 311 K, Temperatures 100, 200, 300 °F. <b>Molecular Weight</b> 152.2790 <b>Wiswesser Line Notation</b> L66TJ B1 <b>Evaluation</b> C	62GOL/BEL $C_p = 269.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$

<b>C<sub>11</sub>H<sub>20</sub></b> (liq) α-Methyldecalin <b>Heat Capacity</b> 313 K, Temperature range 313 to 423 K. <b>Molecular Weight</b> 152.2790 <b>Wiswesser Line Notation</b> L66TJ B1 <b>Evaluation</b> C	63GUD/CAM $C_p = 266.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>C<sub>11</sub>H<sub>20</sub>O<sub>4</sub></b> (c) Undecanedioic acid <b>Phase Changes</b> c/liq 385.0 K, <b>Molecular Weight</b> 216.2766 <b>Wiswesser Line Notation</b> QV9VQ <b>Evaluation</b> B	74CIN/BER $\Delta H = 39652 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 103.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>C<sub>11</sub>H<sub>20</sub></b> (liq) β-Methyldecalin <b>Heat Capacity</b> 311 K, Temperatures 100, 200, 300 °F. <b>Molecular Weight</b> 152.2790 <b>Wiswesser Line Notation</b> L66TJ C1 <b>Evaluation</b> C	62GOL/BEL $C_p = 253.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>C<sub>11</sub>H<sub>21</sub>O<sub>2</sub>Tl</b> (c) Thallium undecanoate <b>Heat Capacity</b> Temperature range 360 to 460 K. <b>Phase Changes</b> c,IV/c,IV 306.2 K, c,IV/c,III 312.4 K, c,III/c,II 325.6 K, c,II/c,I 351.1 K, c,I/liq 404.2 K, <b>Solid mesophase.</b> , <b>Molecular Weight</b> 389.6557 <b>Wiswesser Line Notation</b> OV10.TL <b>Evaluation</b> A	89ROU/TUF $\Delta H = 3359 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 10.98 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ $\Delta H = 2120 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 6.82 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ $\Delta H = 3442 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 10.56 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ $\Delta H = 7051 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 20.12 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ $\Delta H = 6103 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 15.13 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>C<sub>11</sub>H<sub>20</sub></b> (liq) β-Methyldecalin <b>Heat Capacity</b> 313 K, Temperature range 313 to 423 K. <b>Molecular Weight</b> 152.2790 <b>Wiswesser Line Notation</b> L66TJ C1 <b>Evaluation</b> C	63GUD/CAM $C_p = 258.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>C<sub>11</sub>H<sub>20</sub></b> (c) Bicyclo[3.3.3]undecane; Manxane <b>Heat Capacity</b> 298.15 K, One temperature. <b>Phase Changes</b> c/g 298.15 K, $\Delta H = 6359.7 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 21.33 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ <b>Molecular Weight</b> 152.2790 <b>Wiswesser Line Notation</b> T88 A B CTJ <b>Evaluation</b> B( $C_p$ ), A(Phase changes)	75PAR/STE $C_p = 213.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>C<sub>11</sub>H<sub>20</sub>O<sub>2</sub></b> (liq) Undecanolactone <b>Heat Capacity</b> 298.15 K, Temperature range 13.8 to 388 K. 0.92 mole % impurity in sample. <b>Entropy</b> 298.15 K, $S = 369.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ <b>Phase Changes</b> c,II/c,I 250.2 K, $\Delta H = 3360 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 13.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ c,I/liq 275.33 K, $\Delta H = 12610 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 45.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ <b>Molecular Weight</b> 184.2778 <b>Wiswesser Line Notation</b> T-12-VOTJ <b>Evaluation</b> A	81LEB/YEV $C_p = 342.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>C<sub>11</sub>H<sub>22</sub></b> (liq) 1-Undecene <b>Heat Capacity</b> 298.15 K, Temperature range 11 to 360 K. <b>Entropy</b> 298.15 K, Does not include S <sub>0</sub> . <b>Phase Changes</b> c,II/c,I 217.3 K, $\Delta H = 9213 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 42.40 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ c,I/liq 223.99 K, $\Delta H = 16991 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 75.86 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ <b>Molecular Weight</b> 154.2948 <b>Wiswesser Line Notation</b> 10U1 <b>Evaluation</b> A	57MCC/FIN $C_p = 329.95 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ $S = 456.56 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>C<sub>11</sub>H<sub>20</sub>O<sub>2</sub></b> (liq) Undecanolactone <b>Heat Capacity</b> 298.15 K, Temperature range 13.8 to 388 K. 0.92 mole % impurity in sample. <b>Entropy</b> 298.15 K, $S = 369.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ <b>Phase Changes</b> c,II/c,I 250.2 K, $\Delta H = 3360 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 13.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ c,I/liq 275.33 K, $\Delta H = 12610 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 45.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ <b>Molecular Weight</b> 184.2778 <b>Wiswesser Line Notation</b> T-12-VOTJ <b>Evaluation</b> A	81LEB/YEV2 $C_p = 342.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>C<sub>11</sub>H<sub>22</sub>O</b> (liq) 6-Undecanone <b>Heat Capacity</b> 298.15 K, One temperature. An estimate. <b>Molecular Weight</b> 170.2942 <b>Wiswesser Line Notation</b> 5V5 <b>Evaluation</b> B	70HAR/HE $C_p = 362.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>C<sub>11</sub>H<sub>20</sub>O<sub>2</sub></b> (liq) Undecanolactone <b>Heat Capacity</b> 298.15 K, Temperature range 13.8 to 388 K. 0.92 mole % impurity in sample. <b>Entropy</b> 298.15 K, $S = 369.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ <b>Phase Changes</b> c,II/c,I 250.2 K, $\Delta H = 3360 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 13.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ c,I/liq 275.33 K, $\Delta H = 12610 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 45.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ <b>Molecular Weight</b> 184.2778 <b>Wiswesser Line Notation</b> T-12-VOTJ <b>Evaluation</b> A	81LEB/YEV2 $C_p = 342.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>C<sub>11</sub>H<sub>22</sub>O<sub>2</sub></b> (liq) Methyldecanoate; Methyl caprate <b>Heat Capacity</b> 298.15 K, One temperature. <b>Molecular Weight</b> 186.2936 <b>Wiswesser Line Notation</b> 9V01 <b>Evaluation</b> B	79FCU $C_p = 382.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$

# HEAT CAPACITIES AND ENTROPIES OF ORGANIC COMPOUNDS

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<b>C<sub>11</sub>H<sub>22</sub>O<sub>2</sub></b> (c,l)	24GAR/RAN	<b>C<sub>11</sub>H<sub>24</sub></b> (liq)	84GRI/AND
Undecanoic acid		n-Undecane	
<b>Heat Capacity</b> 293 K,	$C_p = 415.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 292.29 K,	$C_p = 341.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 0 to 66 °C. Mean value 14 to 21 °C.		Temperature range 292 to 433 K. Unsmoothed experimental datum given as 2.181 kJ/kg · K.	
<b>Phase Changes</b>		<b>Molecular Weight</b> 156.3106	
c,II/c,I	290 K,	<b>Wiswesser Line Notation</b> 11H	
	$\Delta H = 7700 \text{ J} \cdot \text{mol}^{-1}$	<b>Evaluation</b>	B
	$\Delta S = 26.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
c,I/liq	301.4 K,	<b>C<sub>11</sub>H<sub>24</sub>O</b> (liq)	82VAS/PET
	$\Delta H = 25100 \text{ J} \cdot \text{mol}^{-1}$	1-Undecanol; n-Undecyl alcohol	
	$\Delta S = 83.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 303 K,	$C_p = 419.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b> 186.2936		Temperature range 303 to 508 K.	
<b>Wiswesser Line Notation</b> QV10		<b>Molecular Weight</b> 172.3100	
<b>Evaluation</b>	B	<b>Wiswesser Line Notation</b> Q11	
		<b>Evaluation</b>	B
<b>C<sub>11</sub>H<sub>22</sub>O<sub>2</sub></b> (c)	82SCH/MIL	<b>C<sub>11</sub>H<sub>24</sub>O</b> (liq)	87NAZ/BAL
Undecanoic acid		1-Undecanol; n-Undecyl alcohol	
<b>Heat Capacity</b> 298.15 K,	$C_p = 768.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 303.65 K,	$C_p = 414.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 80 to 330 K.		Temperature range 303 to 500 K. $p = 0.1 \text{ MPa}$ . Unsmoothed experimental datum given as 2.407 kJ/kg · K. $C_p$ data given from 303.65 to 523.15 K for the pressure range 2.5 to 50 MPa.	
<b>Phase Changes</b>		<b>Molecular Weight</b> 172.3100	
c,II/c,I	290.3 K,	<b>Wiswesser Line Notation</b> Q11	
	$\Delta H = 8150 \text{ J} \cdot \text{mol}^{-1}$	<b>Evaluation</b>	B
	$\Delta S = 28.07 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
c,I/liq	301.63 K,	<b>C<sub>11</sub>H<sub>24</sub>O</b> (liq)	88AND/PAT
	$\Delta H = 25980 \text{ J} \cdot \text{mol}^{-1}$	1-Undecanol; n-Undecyl alcohol	
	$\Delta S = 86.13 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p = 406.34 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b> 186.2936		One temperature.	
<b>Wiswesser Line Notation</b> QV10		<b>Molecular Weight</b> 172.3100	
<b>Evaluation</b>	B	<b>Wiswesser Line Notation</b> Q11	
		<b>Evaluation</b>	B
<b>C<sub>11</sub>H<sub>24</sub></b> (liq)	31HUF/PAR	<b>C<sub>11</sub>H<sub>24</sub>O</b> (liq)	89KHA/ZYK
n-Undecane		1-Undecanol; n-Undecyl alcohol	
<b>Heat Capacity</b> 298.0 K,	$C_p = 342.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 303.15 K,	$C_p = 406.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 92 to 298 K. Value is unsmoothed experimental datum.		Temperature range 293 to 513 K.	
<b>Entropy</b> 298.1 K,	$S = 464.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b> 172.3100	
Extrapolation below 90 K, 100.08 $\text{J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .		<b>Wiswesser Line Notation</b> Q11	
<b>Phase Changes</b>		<b>Evaluation</b>	B
c,II/c,I	236.1 K,	<b>C<sub>11</sub>H<sub>24</sub>O</b> (liq)	
	$\Delta H = 6339 \text{ J} \cdot \text{mol}^{-1}$	1-Undecanol; n-Undecyl alcohol	
	$\Delta S = 26.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	
c,I/liq	247.2 K,	$C_p = 370.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
	$\Delta H = 22313 \text{ J} \cdot \text{mol}^{-1}$	Temperature range 12 to 350 K.	
	$\Delta S = 90.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Entropy</b> 298.15 K,	$S = 490.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b> 156.3106		<b>Phase Changes</b>	
<b>Wiswesser Line Notation</b> 11H		c/liq	$\Delta H = 31720 \text{ J} \cdot \text{mol}^{-1}$
<b>Evaluation</b>	B( $C_p$ ),C(S)		$\Delta S = 130.31 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>C<sub>11</sub>H<sub>24</sub></b> (liq)	54FIN/GRO2	<b>Molecular Weight</b> 172.3100	
n-Undecane		<b>Wiswesser Line Notation</b> 10O1	
<b>Heat Capacity</b> 298.15 K,	$C_p = 345.05 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Evaluation</b>	A
Temperature range 12 to 320 K.		<b>C<sub>11</sub>H<sub>24</sub>O</b> (liq)	75AND/MAR
<b>Entropy</b> 298.1 K,	$S = 458.15 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	2-Oxadodecane; Methyl-n-decyl ether	
<b>Phase Changes</b>		<b>Heat Capacity</b> 298.15 K,	$C_p = 370.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c,II/c,I	236.6 K,	Temperature range 12 to 350 K.	
	$\Delta H = 6858 \text{ J} \cdot \text{mol}^{-1}$	<b>Entropy</b> 298.15 K,	$S = 490.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
	$\Delta S = 23.99 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Phase Changes</b>	
c,I/liq	247.59 K,	c/liq	$\Delta H = 31720 \text{ J} \cdot \text{mol}^{-1}$
	$\Delta H = 22179 \text{ J} \cdot \text{mol}^{-1}$		$\Delta S = 130.31 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
	$\Delta S = 89.58 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b> 172.3100	
<b>Molecular Weight</b> 156.3106		<b>Wiswesser Line Notation</b> 10O1	
<b>Wiswesser Line Notation</b> 11H		<b>Evaluation</b>	A
<b>Evaluation</b>	A	<b>C<sub>11</sub>H<sub>24</sub>O</b> (liq)	75FEN/HAR
		2-Oxadodecane; Methyl-n-decyl ether	
<b>C<sub>11</sub>H<sub>24</sub></b> (liq)	71MES/FIN	<b>Heat Capacity</b> 298.15 K,	$C_p = 370.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
2-Methyldecane		One temperature.	
<b>Heat Capacity</b> 298.15 K,	$C_p = 341.21 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b> 172.3100	
Temperature range 11 to 390 K.		<b>Wiswesser Line Notation</b> 10O1	
<b>Entropy</b> 298.15 K,	$S = 453.80 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Evaluation</b>	B
<b>Phase Changes</b>			
c/liq	224.31 K,	<b>C<sub>11</sub>H<sub>24</sub>O</b> (liq)	
	$\Delta H = 25087 \text{ J} \cdot \text{mol}^{-1}$	2-Oxadodecane; Methyl-n-decyl ether	
	$\Delta S = 111.84 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	
<b>Molecular Weight</b> 156.3106		One temperature.	
<b>Wiswesser Line Notation</b> 8Y1&I		<b>Molecular Weight</b> 172.3100	
<b>Evaluation</b>	A	<b>Wiswesser Line Notation</b> 10O1	

<b>C<sub>11</sub>H<sub>23</sub>N<sub>6</sub>S<sub>3</sub></b> (c,I)	72COP/GAN	<b>C<sub>12</sub>D<sub>18</sub></b> (c)	92FUJ/IN
Thiourea-cyclooctane adduct; Cyclooctane-thiourea adduct		Hexamethylbenzene, deuterated	
<b>Heat Capacity</b> 298.15 K, $C_p = 164.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 300 K,	$C_p = 290.51 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 12 to 300 K. Values for one mole of thiourea.		Temperature range 4 to 300 K.	
<b>Entropy</b> 298.15 K, $S = 187.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Entropy</b> 300 K.	$S = 348.06 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Does not include possible zero-point entropy.		<b>Phase Changes</b>	
<b>Phase Changes</b>		c,III/c,II	$\Delta H = 1730 \text{ J} \cdot \text{mol}^{-1}$
c,IV/c,III 187.2 K, $\Delta H = 2110 \text{ J} \cdot \text{mol}^{-1}$		c,III/c,I	$\Delta S = 13.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
$\Delta S = 11.26 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		c,I/liq	381 K
c,III/c,II 240 K, $\Delta H = 21414 \text{ J} \cdot \text{mol}^{-1}$		Molecular Weight	437 K
$\Delta S = 94.41 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		180.4164	
c,II/c,I 265 K, $\Delta H = 703 \text{ J} \cdot \text{mol}^{-1}$		<b>Wiswesser Line Notation</b> JR B1 C1 D1 E1 F1 &1/H-2 3 &5/H-2	
$\Delta S = 2.65 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		&8/H-2 3 &11/H-2 3 &14/H-2 3 &17/H-2 3	
<b>Molecular Weight</b> 410.5149		<b>Evaluation</b>	A
<b>Wiswesser Line Notation</b> ZYZUS &L8TJ 2.98			
<b>Evaluation</b>	A		
<b>C<sub>12</sub>Cl<sub>10</sub></b> (c)	87SAI/ATA	<b>C<sub>12</sub>F<sub>10</sub></b> (c)	71PAU/R <sup>A</sup>
Decachlorobiphenyl; Perchlorobiphenyl		Decafluorobiphenyl; Perfluorobiphenyl	
<b>Heat Capacity</b> 298.15 K, $C_p = 344.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 300.7 K, $C_p = 323.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 3 to 300 K.		Temperature range 13 to 350 K. Complete article deposited at VINT No. 2536-71, 2 January 1971.	
<b>Entropy</b> 298.15 K, $S = 455.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Entropy</b> 298.15 K, $S = 380.62 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Molecular Weight</b> 498.6620		<b>Phase Changes</b>	
<b>Wiswesser Line Notation</b> GR BG CG DG EG FR BG CG DG EG FG		Melting point and enthalpy of fusion given only in complete pap $\Delta S_{\text{fusion}} = 63.85 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .	
<b>Evaluation</b>	A	<b>Molecular Weight</b> 334.1160	
<b>C<sub>12</sub>D<sub>10</sub></b> (c)	83ATA/SAI	<b>Wiswesser Line Notation</b> FR BF CF DF EF FR BF CF DF EF FF	
Biphenyl-d <sub>10</sub>		<b>Evaluation</b>	B
<b>Heat Capacity</b>		<b>C<sub>12</sub>F<sub>10</sub></b> (c)	87SAI/A <sup>C</sup>
Temperature range 3 to 300 K. Data given graphically.		Decafluorobiphenyl; Perfluorobiphenyl	
<b>Phase Changes</b>		<b>Heat Capacity</b> 298.15 K, $C_p = 317.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
c,III/c,II 20.2 K, $\Delta H = 0.18 \text{ J} \cdot \text{mol}^{-1}$		Temperature range 3 to 300 K.	
$\Delta S = 0.009 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Entropy</b> 298.15 K, $S = 377.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Anomalous region: 18.5 to 22.5 K.		<b>Molecular Weight</b> 334.1160	
c,II/c,I 36.8 K, $\Delta H = 4.61 \text{ J} \cdot \text{mol}^{-1}$		<b>Wiswesser Line Notation</b> FR BF CF DF EF FR BF CF DF EF FF	
$\Delta S = 0.128 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Evaluation</b>	A
Anomalous region: 28 to 44 K.		<b>C<sub>12</sub>F<sub>22</sub></b> (c)	65COX/G <sup>C</sup>
<b>Molecular Weight</b> 164.2900		Docosfluorobicyclohexyl; Perfluorobicyclohexyl	
<b>Wiswesser Line Notation</b> RR &1A-E/H-2 5 &2A-E/H-2 5		<b>Heat Capacity</b> 298 K, $C_p = 899 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Evaluation</b>	A	One temperature.	
<b>C<sub>12</sub>D<sub>10</sub></b> (c)	87SAI/ATA2	<b>Molecular Weight</b> 562.0968	
Biphenyl-d <sub>10</sub>		<b>Wiswesser Line Notation</b> L6TJ AF AF BF BF CF CF DF DF EF EF	
<b>Heat Capacity</b> 298.15 K, $C_p = 228.85 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		F-FL6TJ AF AF BF BF CF CF DF DF EF EF FF	
Temperature range 3 to 300 K.		<b>Evaluation</b>	B
<b>Entropy</b> 298.15 K, $S = 230.88 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>C<sub>12</sub>F<sub>20</sub></b> (c)	93LEB/B <sup>C</sup>
<b>Phase Changes</b>		n-Perfluorododecane	
c,III/c,II 20.2 K, $\Delta H = 0.18 \text{ J} \cdot \text{mol}^{-1}$		<b>Heat Capacity</b> 298.15 K, $C_p = 546.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
$\Delta S = 0.009 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		Temperature range 0 to 320 K.	
Lock-in transition.		<b>Entropy</b> 298.15 K, $S = 763.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
c,II/c,I 36.8 K, $\Delta H = 4.61 \text{ J} \cdot \text{mol}^{-1}$		<b>Phase Changes</b>	
$\Delta S = 0.128 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		c,II/c,I 177.52 K, $\Delta H = 5070 \text{ J} \cdot \text{mol}^{-1}$	
Twist transition.		$\Delta S = 22.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Molecular Weight</b> 164.2900		<b>Molecular Weight</b> 638.0904	
<b>Wiswesser Line Notation</b> RR &1A-E/H-2 5 &2A-E/H-2 5		<b>Wiswesser Line Notation</b> FXFFXFFXFFFXXFFF-XFFFXXFF-	
<b>Evaluation</b>	A	FFFFXXFFF	
		<b>Evaluation</b>	A

$C_{12}Fe_3O_{12}$ (c)		89SEL/SHE	$C_{12}H_8Cl_2O_3S$ (c)		90SAI/KAM
Dodecacarbonyl triiron			4,4'-Dichlorodiphenyl sulfone		
Heat Capacity	298.15 K,	$C_p = 541.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	Heat Capacity		
Temperature range	7 to 300 K.		Temperature range	100 to 250 K. Data given graphically.	
Entropy	298.15 K,	$S = 635.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	Phase Changes		
Molecular Weight	503.6658		c,III/c,II	115 K	
Wiswesser Line Notation	CO 12 .FE		c,II/c,I	146 K,	$\Delta H = 41 \text{ J}\cdot\text{mol}^{-1}$
Evaluation	A				$\Delta S = 0.30 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
$C_{12}H_8F_6$ (liq)		78RIP/WRI	Molecular Weight	287.1600	
Benzene:hexafluorobenzene complex			Wiswesser Line Notation	GR DSWR DG	
Heat Capacity	305 K,	$C_p = 370 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	Evaluation	A	
Temperature range	60 to 320 K.				
Phase Changes					
Transitions observed at 199.0, 247.5, 272.0 K; no heat data given.					
c,I/liq	297.2 K,	$\Delta H = 21870 \text{ J}\cdot\text{mol}^{-1}$			
		$\Delta S = 73.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
Molecular Weight	264.1698				
Wiswesser Line Notation	FR BF CF DF EF FF &R				
Evaluation	C				
$C_{12}H_8N_2O_2$ (c)		62STR/BAR	$C_{12}H_8F_2$ (c)		86SAI/ATA
1,5-Naphthylenediiisocyanate; 1,5-Diisocyanatonaphthalene			4,4'-Difluorobiphenyl		
Heat Capacity	298 K,	$C_p = 223.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	Heat Capacity	298.15 K,	$C_p = 222.77 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
One temperature.			Temperature range	3 to 300 K.	
Molecular Weight	210.1916		Entropy	298.15 K,	$S = 237.59 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Wiswesser Line Notation	L66J CNCO GNCO		Phase Changes		
Evaluation	D		liq/g	298.15 K,	$\Delta H = 91200 \text{ J}\cdot\text{mol}^{-1}$
					$\Delta S = 305 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
					$p = 0.5092 \text{ Pa, data from 64SMI/GOR.}$
$C_{12}H_7Cl_2NO_3$ (c)		81VOR/BOR	Molecular Weight	190.1920	
2,4-Dichloro-4'-nitrodiphenyl ether			Wiswesser Line Notation	FR DR DF	
Phase Changes			Evaluation	A	
c/liq	343 K,	$\Delta H = 2700 \text{ J}\cdot\text{mol}^{-1}$			
		$\Delta S = 7.87 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
liq/g	643 K,	$\Delta H = 115900 \text{ J}\cdot\text{mol}^{-1}$			
		$\Delta S = 180.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
Molecular Weight	284.0982				
Wiswesser Line Notation	WNR DOR BG DG				
Evaluation	C				
$C_{12}H_8$ (c)		69SAD/STE	$C_{12}H_8N_2$ (c)		91SAB/ELW
Acenaphthylene			Phenazine		
Heat Capacity	298 K,	$C_p = 166.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	Heat Capacity	298.15 K,	$C_p = 234.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range	20 to 89 °C, equation only; liquid 90 to 150 °C, equation only.		One temperature.		
Phase Changes			Phase Changes		
c/liq	362.6 K,	$\Delta H = 6940 \text{ J}\cdot\text{mol}^{-1}$	c/liq	447.89 K,	$\Delta H = 18880 \text{ J}\cdot\text{mol}^{-1}$
		$\Delta S = 19.14 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	c/g	298.15 K,	$\Delta H = 96970 \text{ J}\cdot\text{mol}^{-1}$
Molecular Weight	152.1952		Molecular Weight	180.2086	
Wiswesser Line Notation	L566 1A LJ		Wiswesser Line Notation	T C666 BN INJ	
Evaluation	C		Evaluation	A	
$C_{12}H_8Cl_2O_3S$ (c)		85NOV/TSV	$C_{12}H_8N_2$ (c)		92SAB/ELW4
4,4'-Dichlorodiphenyl sulphone			Phenazine		
Heat Capacity	298.15 K,	$C_p = 269.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	Phase Changes		
Temperature range	14 to 480 K.		c/liq	447.89 K,	$\Delta H = 18880 \text{ J}\cdot\text{mol}^{-1}$
Entropy	298.15 K.	$S = 314.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	c/g	298.15 K,	$\Delta H = 96970 \text{ J}\cdot\text{mol}^{-1}$
Phase Changes			Molecular Weight	180.2086	
c/liq	422 K.	$\Delta H = 24400 \text{ J}\cdot\text{mol}^{-1}$	Wiswesser Line Notation	T C666 BN INJ	
		$\Delta S = 57.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	Evaluation	A	
Molecular Weight	287.1600				
Wiswesser Line Notation	GR DSWR DG				
Evaluation	A				
$C_{12}H_8Cl_2O_3S$ (c)		78MAR/CIO	$C_{12}H_8N_2O_2$ (c)		
4,4'-Dichlorodiphenyl ether; Bis-(4-nitrophenyl) ether			4,4'-Dinitrodiphenyl ether; Bis-(4-nitrophenyl) ether		
Heat Capacity	298 K,	$C_p = 421.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	Heat Capacity	298 K,	$C_p = 421.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range	298 to 491 K. Values for solid seem odd; minimum at 345 K of $276 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ , rising to $552 \text{ J}\cdot\text{mol}^{-1}$ at 410 K.		Temperature range	298 to 491 K. Values for solid seem odd; minimum at 345 K of $276 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ , rising to $552 \text{ J}\cdot\text{mol}^{-1}$ at 410 K.	
Phase Changes			Phase Changes		
c/liq	418.2 K,	$\Delta H = 10295 \text{ J}\cdot\text{mol}^{-1}$	c/liq	418.2 K,	$\Delta H = 10295 \text{ J}\cdot\text{mol}^{-1}$
		$\Delta S = 24.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
Molecular Weight	260.2056				
Wiswesser Line Notation	WNR DOR DNW				
Evaluation	D				

$C_{12}H_8O$ (c,l)	90CHI/GAM	$C_{12}H_8S$ (c)	83ORO/MR
Dibenzofuran; Diphenylene oxide		Dibenzothiophene	
<b>Heat Capacity</b> 298.15 K, $C_p=199.01 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K, $C_p=194.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 5 to 720 K. Data graphically extrapolated. $C_p$ (298.15 K, liq)=237.57 $\text{J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ , graphically extrapolated.		Temperature range 220 to 560 K. $C_p=0.6709 (\text{T/K})-5.4$ (220 to 371 K) $\text{J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ .	
<b>Entropy</b> 298.15 K, $S=196.18 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Phase Changes</b>	
$S$ (298.15 K, liq)=244.97 $\text{J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ .		c/liq 371.0 K, $\Delta H=21580 \text{ J}\cdot\text{mol}^{-1}$	
<b>Phase Changes</b>		$\Delta S=58.17 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
c,II/c,I 292.5 K, $\Delta H=0.00 \text{ J}\cdot\text{mol}^{-1}$		<b>Molecular Weight</b> 184.2552	
c,I/liq 355.31 K, $\Delta H=19293.65 \text{ J}\cdot\text{mol}^{-1}$		<b>Wiswesser Line Notation</b> T B656 HSJ	
$\Delta S=54.30 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Evaluation</b> A	
$C_p(\text{liq})=0.4215 (\text{T/K})+123.8$ (370.1 to 560 K) $\text{J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ .			
<b>Molecular Weight</b> 168.1946			
<b>Wiswesser Line Notation</b> T B656 HOJ			
<b>Evaluation</b> A			
$C_{12}H_8O$ (c)	91SAB	$C_{12}H_8S$ (c)	91CHI/KI
Dibenzofuran; Diphenylene oxide		Dibenzothiophene	
<b>Phase Changes</b>		<b>Heat Capacity</b> 298.15 K, $C_p=198.30 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
c/liq 355.51 K		Temperature range 5 to 800 K.	
<b>Molecular Weight</b> 168.1946		<b>Entropy</b> 298.15 K, $S=204.20 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Wiswesser Line Notation</b> T B656 HOJ		<b>Phase Changes</b>	
<b>Evaluation</b> A		c/liq 371.821 K, $\Delta H=21708 \text{ J}\cdot\text{mol}^{-1}$	
$\Delta S=58.38 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Molecular Weight</b> 184.2552	
 		<b>Wiswesser Line Notation</b> T B656 HSJ	
		<b>Evaluation</b> A	
$C_{12}H_8OS$ (c)	93STE/CHI	$C_{12}H_8S_2$ (c)	89SAB/W:
Phenoxythiin		Thianthrene	
<b>Heat Capacity</b> 298.15 K, $C_p=213.77 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K, $C_p=224.97 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 5 to 700 K.		One temperature.	
<b>Entropy</b> 298.15 K, $S=222.66 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Molecular Weight</b> 216.3152	
<b>Phase Changes</b>		<b>Wiswesser Line Notation</b> T666 BS ISJ	
c/liq 328.778 K, $\Delta H=20266.6 \text{ J}\cdot\text{mol}^{-1}$		<b>Evaluation</b> A	
<b>Molecular Weight</b> 200.2546		 	
<b>Wiswesser Line Notation</b> T666 BS IOJ			
<b>Evaluation</b> A		 	
$C_{12}H_8OS_2$ (c)	75CUC	$C_{12}H_8S_2$ (c)	93STE/C:
Diphenylene-2,2'-disulfide-S-oxide		Thianthrene	
<b>Heat Capacity</b> 303 K, $C_p=745.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K, $C_p=220.17 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 303 to 523 K.		Temperature range 5 to 700 K.	
<b>Phase Changes</b>		<b>Entropy</b> 298.15 K, $S=230.89 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
c/liq 407 K, $\Delta H=17990 \text{ J}\cdot\text{mol}^{-1}$		<b>Phase Changes</b>	
$\Delta S=44.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		c/liq 429.576 K, $\Delta H=27555.1 \text{ J}\cdot\text{mol}^{-1}$	
<b>Molecular Weight</b> 232.3146		<b>Molecular Weight</b> 216.3152	
<b>Wiswesser Line Notation</b> T B666 HSSJ HO		<b>Wiswesser Line Notation</b> T666 BS ISJ	
<b>Evaluation</b> B		<b>Evaluation</b> A	
$(C_{12}H_8O_3S)_n$ (c)	92VAR/JIN	$C_{12}H_9Cl$ (c)	74GEI/DZ
Poly(oxy-1,4-phenylene sulphonyl-1,4-phenylene)		2-Chlorobiphenyl	
<b>Heat Capacity</b> 300 K, $C_p=228.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K, $C_p=208.03 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 150 to 620 K. $C_p(c)=\exp[-183.0187 + 100.4943(\ln T) - 18.0408(\ln T)^2 + 1.08967(\ln T)]$ (150 to 270 K) and $\exp[292.7648 - 147.5393(\ln T) + 25.10034(\ln T)^2 - 1.4140(\ln T)^3]$ (280 to 490 K); $C_p(\text{liq})=356.3796 + 0.07318T$ (530 to 620 K).		Temperature range 12 to 330 K.	
<b>Molecular Weight</b> 232.2534		<b>Entropy</b> 298.15 K, $S=303.76 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Wiswesser Line Notation</b> /*OR DSWR D*/		<b>Phase Changes</b>	
<b>Evaluation</b> A		c/liq 304.94 K, $\Delta H=14518 \text{ J}\cdot\text{mol}^{-1}$	
$T(\text{glass})=497.4 \text{ K}$ .		$\Delta S=47.61 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
 		<b>Molecular Weight</b> 188.6561	
		<b>Wiswesser Line Notation</b> GR BR	
		<b>Evaluation</b> A	
$C_{12}H_8O_4$ (c)	92STE/CHI	$C_{12}H_9Cl$ (c)	77GEI/K.
Naphthalene-2,6-dicarboxylic acid		2-Chlorobiphenyl	
<b>Heat Capacity</b> 298.15 K, $C_p=230.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K, $C_p=211.92 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 305 to 665 K. C/R(c)=0.0763T+4.983 (305 to 665 K), R=8.31451 $\text{J}/\text{K}\cdot\text{mol}$ .		Based on previously published work of authors, not available in det. on $C_p$ 12 to 370 K.	
<b>Molecular Weight</b> 216.1928		<b>Entropy</b> 298.15 K, $S=254.30 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Wiswesser Line Notation</b> L66J CVQ HVQ		<b>Phase Changes</b>	
<b>Evaluation</b> A		c/liq 304.94 K, $\Delta H=14518 \text{ J}\cdot\text{mol}^{-1}$	
		$\Delta S=47.61 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
 		<b>Molecular Weight</b> 188.6561	
		<b>Wiswesser Line Notation</b> GR BR	
		<b>Evaluation</b> B	

<b>C<sub>12</sub>H<sub>9</sub>Cl</b> (c)		75GEI/DZH	<b>C<sub>12</sub>H<sub>9</sub>Cl<sub>3</sub>Si</b> (c)		76GEI/DZH
4-Chlorobiphenyl			p-Trichlorosilylbiphenyl		
<b>Heat Capacity</b>	298.15 K, Temperature range 12 to 370 K.	$C_p = 243.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K, Temperature range 12 to 380 K.	$C_p = 291.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Entropy</b>	298.15 K,	$S = 256.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Entropy</b>	298.15 K,	$S = 328.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Phase Changes</b>			<b>Phase Changes</b>	c,II/c,I	
c/liq	348.55 K,	$\Delta H = 13318 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 38.21 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		Anomaly on heat capacity curve from 207 to 221 K.	
<b>Molecular Weight</b>	188.6561		c/liq	372.90 K,	$\Delta H = 18569 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 49.80 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b>	GR DR				
<b>Evaluation</b>	A				
Debye temperature=91 K.					
<b>C<sub>12</sub>H<sub>9</sub>Cl</b> (c)		77GEI/KAR	<b>C<sub>12</sub>H<sub>9</sub>Cl<sub>3</sub>Si</b> (c)		77GEI/KAR
4-Chlorobiphenyl			p-Trichlorosilylbiphenyl		
<b>Heat Capacity</b>	298.15 K,	$C_p = 243.76 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p = 291.08 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Based on previously published work of authors, not available in detail, on $C_p$ 12 to 370 K.			Based on previously published work of authors, not available in detail, on $C_p$ 12 to 370 K.		
<b>Entropy</b>	298.15 K,	$S = 256.90 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Entropy</b>	298.15 K,	$S = 328.78 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Phase Changes</b>			<b>Phase Changes</b>	c/liq	
c/liq	348.55 K,	$\Delta H = 13318 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 38.21 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	c/liq	372.90 K,	$\Delta H = 18569 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 49.80 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	188.6561				
<b>Wiswesser Line Notation</b>	GR DR				
<b>Evaluation</b>	B				
<b>C<sub>12</sub>H<sub>9</sub>Cl<sub>3</sub>Si</b> (c)		74GEI/DZH2	<b>C<sub>12</sub>H<sub>9</sub>N</b> (c)		80RAD/RAD
o-Trichlorosilylbiphenyl			Carbazole		
<b>Heat Capacity</b>			<b>Heat Capacity</b>	298.15 K,	$C_p = 190.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 12 to 370 K. Deposited in VINITI No. 7671-73, 21 December 1973.			Temperature range 180 to 410 K. $C_p = 54.87 + 0.2328T + 7.477 \times 10^{-4} T^2$ .		
<b>Entropy</b>	298.15 K	$S = 348.40 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Phase Changes</b>	c/liq	
<b>Phase Changes</b>			c/liq	521.1 K,	$\Delta H = 27200 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 52.19 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c,II/c,I	289.5	$\Delta H = 57.7 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 0.20 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
trans-cis conformational transition					
c,II/liq	339.18 K	$\Delta H = 20719 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 61.09 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
<b>Molecular Weight</b>	287.6476				
<b>Wiswesser Line Notation</b>	G-SI-GGR BR				
<b>Evaluation</b>	B				
This compound is erroneously named in the English translation of 74GEI/DZH2 as: o,o'-Bistrichloro-silylbiphenyl.					
<b>C<sub>12</sub>H<sub>9</sub>Cl<sub>3</sub>Si</b> (c)		77GEI/KAR	<b>C<sub>12</sub>H<sub>9</sub>N</b> (c)		90JIM/ROU
o-Trichlorosilylbiphenyl			Carbazole		
<b>Heat Capacity</b>	298.15 K,	$C_p = 337.86 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p = 194.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 12 to 370 K.			One temperature.		
Based on previously published work of authors, not available in detail.			<b>Molecular Weight</b>	167.2098	
<b>Entropy</b>	298.15 K,	$S = 348.40 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Wiswesser Line Notation</b>	T B656 HMJ	
<b>Phase Changes</b>			<b>Evaluation</b>	A	
c,II/c,I	289.5 K	$\Delta H = 57.7 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 0.20 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
trans-cis conformational transition					
c,II/liq	339.18 K.	$\Delta H = 20719 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 61.09 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
<b>Molecular Weight</b>	287.6476				
<b>Wiswesser Line Notation</b>	G-SI-GGR BR				
<b>Evaluation</b>	B				
<b>C<sub>12</sub>H<sub>9</sub>N</b> (c)		92SAB/ELW3	<b>C<sub>12</sub>H<sub>9</sub>N</b> (c)		92SAB/ELW
			Carbazole		
<b>Phase Changes</b>			<b>Phase Changes</b>	c/liq	
c,II/c,I	518.33 K,	$\Delta H = 27080 \text{ J} \cdot \text{mol}^{-1}$	c,II/c,I	518.33 K,	
<b>Molecular Weight</b>	167.2098				
<b>Wiswesser Line Notation</b>	T B656 HMJ				
<b>Evaluation</b>	A				
<b>C<sub>12</sub>H<sub>9</sub>NS</b> (c)			<b>Phenothiazine</b>		
			<b>Phase Changes</b>	c/liq	
			c,II/c,I	458.40 K,	$\Delta H = 25660 \text{ J} \cdot \text{mol}^{-1}$
<b>Molecular Weight</b>	199.2698				
<b>Wiswesser Line Notation</b>	T C666 BM ISJ				
<b>Evaluation</b>	A				

$C_{12}H_{10}$ (c)		44EIB	$C_{12}H_{10}$ (liq)		31NEW/KAU
Acenaphthene			Biphenyl; Diphenyl		
<b>Heat Capacity</b>	298.1 K,	$C_p = 210.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298 K,	$C_p = 259.54 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 25 to 200 °C, equations only in t °C.			Temperature range 100 to 300 °C, equation only, in t °C.		
$C_p(c) = 0.2756 + 0.001854t \text{ cal}\cdot\text{g}^{-1}\cdot\text{C}^{-1}$ (25 to 60 °C);			$C_p(\text{liq}) = 0.388 + 0.00057t \text{ cal}\cdot\text{g}^{-1}\cdot\text{C}^{-1}$ .		
$C_p(\text{liq}) = 0.409 + 0.000598t \text{ cal}\cdot\text{g}^{-1}\cdot\text{C}^{-1}$ (95 to 200 °C).					
<b>Phase Changes</b>			<b>Molecular Weight</b>	154.2110	
c/liq	367.8 K,	$\Delta H = 25100 \text{ J}\cdot\text{mol}^{-1}$	<b>Wiswesser Line Notation RR</b>		
		$\Delta S = 68.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Evaluation</b>	C	
<b>Molecular Weight</b>	154.2110				
<b>Wiswesser Line Notation L566 1A LT&amp;&amp;J</b>					
<b>Evaluation</b>	C				
$C_{12}H_{10}$ (c)		69SAD/STE	$C_{12}H_{10}$ (c)		32SPA/THO
Acenaphthene			Biphenyl; Diphenyl		
<b>Heat Capacity</b>	298 K,	$C_p = 185.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	303 K,	$C_p = 197.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 20 to 93 °C, equation only; liquid, 93 to 200 °C, equation only.			Temperature range 30 to 100 °C.		
<b>Phase Changes</b>			<b>Phase Changes</b>		
c/liq	366.4 K,	$\Delta H = 20233 \text{ J}\cdot\text{mol}^{-1}$	c/liq	341.5 K,	$\Delta H = 18648 \text{ J}\cdot\text{mol}^{-1}$
		$\Delta S = 55.22 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			$\Delta S = 54.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b>	154.2110		<b>Molecular Weight</b>	154.2110	
<b>Wiswesser Line Notation L566 1A LT&amp;&amp;J</b>			<b>Wiswesser Line Notation RR</b>		
<b>Evaluation</b>	C		<b>Evaluation</b>	B	
$C_{12}H_{10}$ (c)		77FIN/MES	$C_{12}H_{10}$ (c)		41SCH
Acenaphthene			Biphenyl; Diphenyl		
<b>Heat Capacity</b>	298.15 K,	$C_p = 190.37 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298.1 K,	$C_p = 197.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 10 to 440 K.			Temperature range 20 to 200 °C, equations only, in t °C		
<b>Entropy</b>	298.15 K,	$S = 188.87 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	$C_p(c) = 0.2745 + 0.001235t \text{ cal}\cdot\text{g}^{-1}\cdot\text{C}^{-1}$ (20 to 69 °C); $C_p(\text{liq}) = 0.3917 + 0.0005206t \text{ cal}\cdot\text{g}^{-1}\cdot\text{C}^{-1}$ (69 to 200 °C).		
<b>Phase Changes</b>			<b>Phase Changes</b>		
c/liq	366.56 K,	$\Delta H = 21462.2 \text{ J}\cdot\text{mol}^{-1}$	c/liq	342 K,	$\Delta H = 18594 \text{ J}\cdot\text{mol}^{-1}$
		$\Delta S = 58.55 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			$\Delta S = 54.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b>	154.2110		<b>Molecular Weight</b>	154.2110	
<b>Wiswesser Line Notation L566 1A LT&amp;&amp;J</b>			<b>Wiswesser Line Notation RR</b>		
<b>Evaluation</b>	A		<b>Evaluation</b>	C	
$C_{12}H_{10}$ (c)		1889EYK	$C_{12}H_{10}$ (liq)		50KUF
Biphenyl; Diphenyl			Biphenyl; Diphenyl		
<b>Phase Changes</b>			<b>Heat Capacity</b>	370 K,	$C_p = 300.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c/liq	314.3 K,	$\Delta H = -18945 \text{ J}\cdot\text{mol}^{-1}$	Temperature range 98 to 255 °C. Mp 70.8 °C.		
		$\Delta S = 60.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Molecular Weight</b>	154.2110	
<b>Molecular Weight</b>	154.2110		<b>Wiswesser Line Notation RR</b>		
<b>Wiswesser Line Notation RR</b>			<b>Evaluation</b>	B	
<b>Evaluation</b>	C				
$C_{12}H_{10}$ (c)		30HUF/PAR	$C_{12}H_{10}$ (c)		50UEB/OR
Biphenyl; Diphenyl			Biphenyl; Diphenyl		
<b>Heat Capacity</b>	294.4 K,	$C_p = 194.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p = 190.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 93 to 295 K. Value is unsmoothed experimental datum.			Temperature range 293 to 368 K. Equation only.		
<b>Entropy</b>	298.1 K,	$S = 205.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Phase Changes</b>		
Extrapolation below 90 K, 65.4 $\text{J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ .			c/liq	343 K,	$\Delta H = 18575 \text{ J}\cdot\text{mol}^{-1}$
<b>Molecular Weight</b>	154.2110				$\Delta S = 54.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Wiswesser Line Notation RR</b>			<b>Molecular Weight</b>	154.2110	
<b>Evaluation</b>	$B(C_p), C(S)$		<b>Wiswesser Line Notation RR</b>		
<b>Evaluation</b>	B		<b>Evaluation</b>	C	
$C_{12}H_{10}$ (liq)		31FOR/BRU	$C_{12}H_{10}$ (liq)		56MC
Biphenyl; Diphenyl			Biphenyl; Diphenyl		
<b>Heat Capacity</b>	350.8 K,	$C_p = 263.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	422 K,	$C_p = 301.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 350 to 620 K. Value is unsmoothed experimental datum.			Temperature range 300 to 600 °C.		
<b>Molecular Weight</b>	154.2110		<b>Molecular Weight</b>	154.2110	
<b>Wiswesser Line Notation RR</b>			<b>Wiswesser Line Notation RR</b>		
<b>Evaluation</b>	B		<b>Evaluation</b>	C	
			Quoted in 58WAL/BRO.		

**HEAT CAPACITIES AND ENTROPIES OF ORGANIC COMPOUNDS**

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<b>C<sub>12</sub>H<sub>10</sub></b> (liq) Biphenyl; Diphenyl <b>Heat Capacity</b> 370 K, Temperature range 200 to 600 °F. <b>Molecular Weight</b> 154.2110 <b>Wiswesser Line Notation RR</b> <b>Evaluation</b> B	58WAL/BRO $C_p=285.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>C<sub>12</sub>H<sub>10</sub></b> (c) Biphenyl; Diphenyl <b>Heat Capacity</b> 298.15 K, Temperature range 220 to 475 K. $C_p=0.7143 \text{ (T/K)} - 15.3$ (220 to 342.2 K) $\text{J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ . <b>Phase Changes</b> c/liq 342.2 K, $\Delta H=18580 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=54.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	83ORO/MRA $C_p=197.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>C<sub>12</sub>H<sub>10</sub></b> (c) Biphenyl; Diphenyl <b>Phase Changes</b> c/liq 344.1 K, $\Delta H=18800 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=54.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	79SMI	<b>Molecular Weight</b> 154.2110 <b>Wiswesser Line Notation RR</b> <b>Evaluation</b> A $C_p(\text{liq})=0.4284 \text{ (T/K)} + 122.0$ (342.2 to 485 K) $\text{J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ .	
<b>C<sub>12</sub>H<sub>10</sub></b> (liq) Biphenyl; Diphenyl <b>Heat Capacity</b> c,III/c,II 11.0 K, $\Delta H=0.293 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=0.025 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ c,III/c,II: anomalous region 7.5 to 14.0 K. c,II/c,I 40.4 K, $\Delta H=5.02 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=0.129 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ c,II/c,I: anomalous region 30.0 to 47.0 K. <b>Molecular Weight</b> 154.2110 <b>Wiswesser Line Notation RR</b> <b>Evaluation</b> A	80ATA/CHI	<b>C<sub>12</sub>H<sub>10</sub></b> (c) Biphenyl; Diphenyl <b>Heat Capacity</b> 298.15 K, Temperature range 3 to 300 K. <b>Entropy</b> 298.15 K, c,III/c,II 16.8 K, Lock-in transition. c,II/c,I 40.4 K, Twist transition. <b>Molecular Weight</b> 154.2110 <b>Wiswesser Line Notation RR</b> <b>Evaluation</b> A	88SAI/ATA $C_p=198.17 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ $S=209.00 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ $\Delta H=0.15 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=0.009 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ $\Delta H=5.02 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=0.129 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>C<sub>12</sub>H<sub>10</sub></b> (c) Biphenyl; Diphenyl <b>Heat Capacity</b> 300 K, $C_p=190 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Temperature range 180 to 350 K. Data given graphically. Value estimated from graph. <b>Phase Changes</b> c,I/liq 343.3 K, $\Delta H=19900 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=58.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	82WAS/RAD	<b>C<sub>12</sub>H<sub>10</sub></b> (c) Biphenyl; Diphenyl <b>Heat Capacity</b> 298.15 K, Temperature range 5 to 700 K. <b>Entropy</b> 298.15 K, c/liq 342.098 K, c/g 298.15 K, <b>Molecular Weight</b> 154.2110 <b>Wiswesser Line Notation RR</b> <b>Evaluation</b> A	89CHI/KNI $C_p=198.39 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ $S=209.38 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ $\Delta H=2234.17 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=6.5307 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ $\Delta H=81520 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=273.42 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>C<sub>12</sub>H<sub>10</sub></b> (c) Biphenyl; Diphenyl <b>Phase Changes</b> c,III/c,II 16.8 K, $\Delta H=0.15 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=0.009 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Anomalous region: 15.3 to 18.3 K. c,II/c,I 40.4 K, $\Delta H=5.02 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=0.129 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Anomalous region: 30 to 47 K. <b>Molecular Weight</b> 154.2110 <b>Wiswesser Line Notation RR</b> <b>Evaluation</b> A	83ATA/SAI	<b>C<sub>12</sub>H<sub>10</sub>Hg</b> (c) Diphenylmercury; Mercury diphenyl <b>Heat Capacity</b> 298.5 K, $C_p=225.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Temperature range 102 to 346 K. Value is unsmoothed experimental datum. <b>Molecular Weight</b> 354.8010 <b>Wiswesser Line Notation R-HG-R</b> <b>Evaluation</b> B	31SMI/AND2
		<b>C<sub>12</sub>H<sub>10</sub>N<sub>2</sub></b> (c) Azobenzene <b>Phase Changes</b> c/liq 342.2 K, <b>Molecular Weight</b> 182.2244 <b>Wiswesser Line Notation RNUNR</b> <b>Evaluation</b> C	1889EYK $\Delta H=22389 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=65.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$

$C_{12}H_{10}N_2$ (c)		74CIN/BER	$C_{12}H_{10}O$ (c)		77GEI/KAR
Azobenzene			o-Hydroxybiphenyl		
<b>Phase Changes</b>			<b>Heat Capacity</b>	298.15 K,	$C_p=227.61 J \cdot mol^{-1} \cdot K^{-1}$
c/liq	340.5 K,	$\Delta H=22368 J \cdot mol^{-1}$	Based on previously published work of authors, not available in detail, on $C_p$ 12 to 370 K.		
		$\Delta S=65.59 J \cdot mol^{-1} \cdot K^{-1}$			
<b>Molecular Weight</b>	182.2244		<b>Entropy</b>	298.15 K,	$S=261.75 J \cdot mol^{-1} \cdot K^{-1}$
<b>Wiswesser Line Notation</b>	RNUNR		<b>Phase Changes</b>	c/liq	
<b>Evaluation</b>	B			330.60 K,	$\Delta H=16213 J \cdot mol^{-1}$
					$\Delta S=49.04 J \cdot mol^{-1} \cdot K^{-1}$
$C_{12}H_{10}N_2$ (c)		77SCH/PET	<b>Molecular Weight</b>	170.2104	
cis-Azobenzene			<b>Wiswesser Line Notation</b>	QR BR	
<b>Heat Capacity</b>	298.15 K,	$C_p=229 J \cdot mol^{-1} \cdot K^{-1}$	<b>Evaluation</b>	B	
Temperature range 298 to 333 K.	$C_p(c)=229+1.086(T-298.15) J \cdot mol^{-1} \cdot K^{-1}$ (298 to 333 K).				
<b>Molecular Weight</b>	182.2244		$C_{12}H_{10}O$ (c)		31SMI/AND2
<b>Wiswesser Line Notation</b>	RNUNR -C		Diphenyl oxide; Diphenyl ether		
<b>Evaluation</b>	B		<b>Heat Capacity</b>	298.5 K,	$C_p=215.9 J \cdot mol^{-1} \cdot K^{-1}$
			Temperature range 102 to 298 K.		
$C_{12}H_{10}N_2$ (c)		77SCH/PET	<b>Molecular Weight</b>	170.2104	
trans-Azobenzene			<b>Wiswesser Line Notation</b>	ROR	
<b>Heat Capacity</b>	298.15 K,	$C_p=219 J \cdot mol^{-1} \cdot K^{-1}$	<b>Evaluation</b>	B	
Temperature range 298 to 333 K.	$C_p(c)=219+1.029(T-298.15) J \cdot mol^{-1} \cdot K^{-1}$ (298 to 333 K).				
<b>Phase Changes</b>			$C_{12}H_{10}O$ (c)		51FUR/GIN
c/liq	341.8 K,	$\Delta H=22650 J \cdot mol^{-1}$	Diphenyl oxide; Diphenyl ether		
<b>Molecular Weight</b>	182.2244		<b>Heat Capacity</b>	298.15 K,	$C_p=216.56 J \cdot mol^{-1} \cdot K^{-1}$
<b>Wiswesser Line Notation</b>	RNUNR -T		Temperature range 18 to 570 K.		
<b>Evaluation</b>	B		<b>Entropy</b>	298.15 K,	$S=233.91 J \cdot mol^{-1} \cdot K^{-1}$
			<b>Phase Changes</b>	c/liq	
$C_{12}H_{10}N_2$ (c)		84VAN/BOU		300.02 K,	$\Delta H=17216 J \cdot mol^{-1}$
trans-Azobenzene					$\Delta S=57.38 J \cdot mol^{-1} \cdot K^{-1}$
<b>Heat Capacity</b>	300 K,	$C_p=229.3 J \cdot mol^{-1} \cdot K^{-1}$	<b>Molecular Weight</b>	170.2104	
Temperature range 90 to 320 K.			<b>Wiswesser Line Notation</b>	ROR	
<b>Phase Changes</b>			<b>Evaluation</b>	A	
c/liq	341.03 K,	$\Delta H=22520 J \cdot mol^{-1}$	$C_{12}H_{10}O$ (c)		53GIN/FUR
		$\Delta S=66.0 J \cdot mol^{-1} \cdot K^{-1}$	Diphenyl oxide; Diphenyl ether		
<b>Molecular Weight</b>	182.2244		<b>Heat Capacity</b>	298.15 K,	$C_p=216.56 J \cdot mol^{-1} \cdot K^{-1}$
<b>Wiswesser Line Notation</b>	RNUNR -T		Temperature range 14 to 570 K.		
<b>Evaluation</b>	B		<b>Phase Changes</b>	c/liq	
				300.03 K,	$\Delta H=17215 J \cdot mol^{-1}$
$C_{12}H_{10}N_2$ (c)		85BOU/DEL			$\Delta S=57.38 J \cdot mol^{-1} \cdot K^{-1}$
trans-Azobenzene			<b>Molecular Weight</b>	170.2104	
<b>Heat Capacity</b>	300 K,	$C_p=229.33 J \cdot mol^{-1} \cdot K^{-1}$	<b>Wiswesser Line Notation</b>	ROR	
Temperature range 300 to 400 K.			<b>Evaluation</b>	A	
<b>Phase Changes</b>			$C_{12}H_{10}OS$ (c)		31SMI/AND2
c/liq	341.06 K,	$\Delta H=22530 J \cdot mol^{-1}$	Diphenyl sulfoxide		
		$\Delta S=66.06 J \cdot mol^{-1} \cdot K^{-1}$	<b>Heat Capacity</b>	298.5 K,	$C_p=239.7 J \cdot mol^{-1} \cdot K^{-1}$
<b>Molecular Weight</b>	182.2244		Temperature range 102 to 323 K. Value is unsmoothed experimental datum.		
<b>Wiswesser Line Notation</b>	RNUNR -T		<b>Molecular Weight</b>	202.2704	
<b>Evaluation</b>	A		<b>Wiswesser Line Notation</b>	OSR&R	
			<b>Evaluation</b>	B	
$C_{12}H_{10}O$ (c)		73GEI/DZH	$C_{12}H_{10}O_2$ (c)		86SAI/ATA.
o Hydroxybiphenyl			p,p'-Biphenol; 4,4'-Dihydroxybiphenyl		
<b>Heat Capacity</b>	298.15 K,	$C_p=235.10 J \cdot mol^{-1} \cdot K^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p=224.31 J \cdot mol^{-1} \cdot K^{-1}$
Temperature range 12 to 350 K. Complete $C_p$ data in paper deposited at VINITI, No. 4748-72, 24 Aug. 1972.			Temperature range 3 to 315 K.		
<b>Entropy</b>	298.15 K,	$S=261.75 J \cdot mol^{-1} \cdot K^{-1}$	<b>Entropy</b>	298.15 K,	$S=220.57 J \cdot mol^{-1} \cdot K^{-1}$
<b>Phase Changes</b>			<b>Molecular Weight</b>	186.2098	
c/liq	330.6 K,	$\Delta H=16213 J \cdot mol^{-1}$	<b>Wiswesser Line Notation</b>	QR DR DQ	
		$\Delta S=49.04 J \cdot mol^{-1} \cdot K^{-1}$	<b>Evaluation</b>	A	
<b>Molecular Weight</b>	170.2104				
<b>Wiswesser Line Notation</b>	QR BR				
<b>Evaluation</b>	A				

$C_{12}H_{10}O_2S$ (c)	31SMI/AND2	$C_{12}H_{12}$ (c,I)	88MES/FIN
Diphenyl sulfone		2,3-Dimethylnaphthalene	
<b>Heat Capacity</b> 298.5 K,	$C_p=244.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p=216.466 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 102 to 346 K.		Temperature range 10 to 400 K.	
<b>Molecular Weight</b> 218.2698		<b>Entropy</b> 298.15 K,	$S=225.853 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Wiswesser Line Notation WSR&R		<b>Phase Changes</b>	
Evaluation B		c,III/c,II 226.000 K,	$\Delta H=-0.58 \text{ J}\cdot\text{mol}^{-1}$
		c,II/c,I 265.000 K,	$\Delta H=-1.08 \text{ J}\cdot\text{mol}^{-1}$
		c,I/liq 377.496 K,	$\Delta H=19353.29 \text{ J}\cdot\text{mol}^{-1}$
			$\Delta S=51.27 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
$C_{12}H_{10}O_4$ (c)	24LAN	<b>Molecular Weight</b> 156.2268	
Quinhydrone		Wiswesser Line Notation L66J C1 D1	
<b>Heat Capacity</b> 243.4 K,	$C_p=228.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	Evaluation A	
Temperature range 20 to 244 K. Value is unsmoothed experimental datum.			
<b>Molecular Weight</b> 218.2086			
Wiswesser Line Notation L6V DVJ &QR DQ			
Evaluation B			
$C_{12}H_{10}S$ (liq)	31SMI/AND2	$C_{12}H_{12}$ (c)	89SCI/GOD
Diphenyl sulfide		2,3-Dimethylnaphthalene	
<b>Heat Capacity</b> 298.5 K,	$C_p=271.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b> 298 K,	$C_p=215 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 102 to 298 K. Value is unsmoothed experimental datum.		Temperature range 100 to 350 K. $C_p$ value estimated from graph.	
<b>Molecular Weight</b> 186.2710		<b>Phase Changes</b>	
Wiswesser Line Notation RSR		c,IV/c,III 220 K	
Evaluation B		c,III/c,II 275 K	
		c,II/c,I 302 K,	$\Delta H=104 \text{ J}\cdot\text{mol}^{-1}$
			$\Delta S=0.35 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
$C_{12}H_{11}N$ (c,I)	91STE/CHI	<b>Molecular Weight</b> 156.2268	
2-Aminobiphenyl; [1,1'-biphenyl]-2-amine		Wiswesser Line Notation L66J C1 D1	
<b>Heat Capacity</b> 298.15 K,	$C_p=221.86 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	Evaluation B	
Temperature range 5 to 800 K. $C_p$ (liq. 298.15 K)=298.17 $\text{J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ .			
<b>Entropy</b> 298.15 K,	$S=233.48 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		
<b>Phase Changes</b>			
c,II/c,I 258.00 K,	$\Delta H=0.00 \text{ J}\cdot\text{mol}^{-1}$		
c,II/liq 322.28 K,	$\Delta H=13987.42 \text{ J}\cdot\text{mol}^{-1}$		
	$\Delta S=43.40 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		
<b>Molecular Weight</b> 169.2256			
Wiswesser Line Notation ZR BR			
Evaluation A			
$C_{12}H_{11}N_3$ (c)	41SAT/SOG2	$C_{12}H_{12}$ (c)	73GOO
p-Aminoazobenzene		2,6-Dimethylnaphthalene	
<b>Heat Capacity</b> 323 K,	$C_p=276.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p=202.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 0 to 100 °C. Mean value.		One temperature.	
<b>Molecular Weight</b> 197.2390		<b>Molecular Weight</b> 156.2268	
Wiswesser Line Notation ZR DNJ/NJR		Wiswesser Line Notation L66J C1 H1	
Evaluation C		Evaluation B	
Same data as 40SAT/SOG3.			
$C_{12}H_{12}$ (c)	73GOO	$C_{12}H_{12}$ (c)	77FIN/MES
1,8-Dimethylnaphthalene		2,6-Dimethylnaphthalene	
<b>Heat Capacity</b> 298.15 K,	$C_p=241.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p=203.55 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
One temperature.		Temperature range 10 to 440 K.	
<b>Molecular Weight</b> 156.2268		<b>Entropy</b> 298.15 K,	$S=227.86 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Wiswesser Line Notation L66J B1 J1		<b>Phase Changes</b>	
Evaluation B		c/liq 383.32 K,	$\Delta H=25056.7 \text{ J}\cdot\text{mol}^{-1}$
			$\Delta S=65.37 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
$C_{12}H_{12}$ (c)	77FIN/MES	<b>Molecular Weight</b> 156.2268	
1,8-Dimethylnaphthalene		Wiswesser Line Notation L66J C1 H1	
<b>Heat Capacity</b> 298.15 K,	$C_p=242.80 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	Evaluation A	
Temperature range 10 to 440 K.			
<b>Entropy</b> 298.15 K,	$S=224.72 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		
<b>Phase Changes</b>			
c/liq 336.33 K,	$\Delta H=46.87 \text{ J}\cdot\text{mol}^{-1}$		
	$\Delta S=46.86 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		
<b>Molecular Weight</b> 156.2268			
Wiswesser Line Notation L66J B1 J1			
Evaluation A			
$C_{12}H_{12}$ (c)	73GOO	$C_{12}H_{12}$ (c)	77FIN/MES
2,7-Dimethylnaphthalene		2,7-Dimethylnaphthalene	
<b>Heat Capacity</b> 298.15 K,	$C_p=202.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p=204.39 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 10 to 440 K.		Temperature range 10 to 440 K.	
<b>Entropy</b> 298.15 K,	$S=228.57 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Entropy</b> 298.15 K,	
<b>Phase Changes</b>		<b>Phase Changes</b>	
c/liq 368.81 K,	$\Delta H=23351.3 \text{ J}\cdot\text{mol}^{-1}$	c/liq 368.81 K,	
	$\Delta S=63.32 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		
<b>Molecular Weight</b> 156.2268		<b>Molecular Weight</b> 156.2268	
Wiswesser Line Notation L66J C1 H1		Wiswesser Line Notation L66J C1 H1	
Evaluation A		Evaluation A	

<b>C<sub>12</sub>H<sub>12</sub></b> (liq)	93CHI/KNI	<b>C<sub>12</sub>H<sub>12</sub>Ge</b> (liq)	79LEB/LEI
2,7-Dimethylnaphthalene		Diphenylgermane	
<b>Heat Capacity</b> 298.15 K,	$C_p = 251.85 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p = 287.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 298 to 700 K.		Temperature range 5 to 330 K.	
<b>Entropy</b> 298.15 K,	$S = 283.36 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Entropy</b> 298.15 K,	$S = 337.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b> 156.2268		<b>Phase Changes</b>	
<b>Wiswesser Line Notation</b> L66J C1 I1		c/liq	239.44 K,
<b>Evaluation</b> A			$\Delta H = 11910 \text{ J} \cdot \text{mol}^{-1}$
Values at 298.15 K were calculated with graphically extrapolated heat capacities.			$\Delta S = 49.74 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>C<sub>12</sub>H<sub>12</sub>Cr</b> (c)	69AND/WES	<b>Molecular Weight</b> 228.8168	
Bis(benzene)chromium		<b>Wiswesser Line Notation</b> R-GE-R	
<b>Heat Capacity</b> 298.15 K,	$C_p = 223.93 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Evaluation</b> A	
Temperature range 5 to 350 K.			
<b>Entropy</b> 298.15 K,	$S = 226.23 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
<b>Molecular Weight</b> 208.2228			
<b>Wiswesser Line Notation</b> L6φJ φ-CR- φL6φJ			
<b>Evaluation</b> A			
<b>C<sub>12</sub>H<sub>12</sub>CrBr</b> (c)	72NIK/SAF	<b>C<sub>12</sub>H<sub>12</sub>N<sub>2</sub>O</b> (c)	77KAR/BAZ
Bis(benzene)chromium bromide		4,4'-Diaminodiphenyl oxide; 4,4'-Diaminodiphenyl ether;	
<b>Heat Capacity</b> 298.15 K,	$C_p = 328.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Bis-(4-aminophenyl)ether	
Temperature range 60 to 298.15 K.		<b>Heat Capacity</b> 300 K,	$C_p = 258.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Entropy</b> 298.15 K,	$S = 339.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Temperature range 60 to 400 K.	
<b>Phase Changes</b>		<b>Entropy</b> 300 K,	$S = 241.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c,II/c,I	234.6 K	<b>Molecular Weight</b> 200.2396	
<b>Molecular Weight</b> 288.1268		<b>Wiswesser Line Notation</b> ZR DOR DZ	
<b>Wiswesser Line Notation</b> L6φJ φ-CR- φL6φJ &E		<b>Evaluation</b> B	
<b>Evaluation</b> B			
<b>C<sub>12</sub>H<sub>12</sub>CrCl</b> (c)	72NIK/SAF	<b>C<sub>12</sub>H<sub>12</sub>N<sub>2</sub>O</b> (c)	78MAR/CIC
Bis(benzene)chromium chloride		4,4'-Diaminodiphenyl oxide; 4,4'-Diaminodiphenyl ether;	
<b>Heat Capacity</b> 298.15 K,	$C_p = 323.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Bis-(4-aminophenyl)ether	
Temperature range 60 to 298.15 K.		<b>Heat Capacity</b> 298 K,	$C_p = 280.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Entropy</b> 298.15 K,	$S = 335.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Temperature range 298 to 502 K.	
<b>Phase Changes</b>		<b>Phase Changes</b>	
c,II/c,I	178.75 K,	c/liq	465.4 K,
	$\Delta H = 1820 \text{ J} \cdot \text{mol}^{-1}$		$\Delta H = 7740 \text{ J} \cdot \text{mol}^{-1}$
	$\Delta S = 10.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		$\Delta S = 16.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b> 243.6758		<b>Molecular Weight</b> 200.2396	
<b>Wiswesser Line Notation</b> L6φJ φ-CR- φL6φJ &G		<b>Wiswesser Line Notation</b> ZR DOR DZ	
<b>Evaluation</b> B		<b>Evaluation</b> D	
<b>C<sub>12</sub>H<sub>12</sub>CrI</b> (c)	72NIK/SAF	<b>C<sub>12</sub>H<sub>12</sub>N<sub>2</sub>O</b> (c)	87LES/LIC
Bis(benzene)chromium iodide		4,4'-Diaminodiphenyl oxide; 4,4'-Diaminodiphenyl ether;	
<b>Heat Capacity</b> 298.15 K,	$C_p = 249.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Bis-(4-aminophenyl)ether	
Temperature range 60 to 298.15 K.		<b>Heat Capacity</b> 298 K,	$C_p = 278.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Entropy</b> 298.15 K,	$S = 289.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Temperature range 250 to 400 K.	
<b>Phase Changes</b>		<b>Phase Changes</b>	
c,II/c,I	240.6 K,	c/liq	464 K
	$\Delta H = 1695 \text{ J} \cdot \text{mol}^{-1}$	<b>Molecular Weight</b> 200.2396	
	$\Delta S = 7.04 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Wiswesser Line Notation</b> ZR DOR DZ	
<b>Molecular Weight</b> 335.1273		<b>Evaluation</b> B	
<b>Wiswesser Line Notation</b> L6φJ φ-CR- φL6φJ &I			
<b>Evaluation</b> B			
<b>C<sub>12</sub>H<sub>12</sub>FeO</b> (c)	81TOM/CUR	<b>C<sub>12</sub>H<sub>12</sub>N<sub>2</sub>O<sub>2</sub>S</b> (c)	87LES/LI
Acetylferrocene		4,4'-Diaminodiphenyl sulfone	
<b>Heat Capacity</b> 298 K,	$C_p = 246.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298 K,	$C_p = 314.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 293 to 353 °C. Equation given.		Temperature range 250 to 400 K.	
<b>Phase Changes</b>		<b>Phase Changes</b>	
c/liq	358.7 K	c/liq	451 K
<b>Molecular Weight</b> 228.0732		<b>Molecular Weight</b> 248.2990	
<b>Wiswesser Line Notation</b> L5φJ φ-FE- -φL5φJ AV1		<b>Wiswesser Line Notation</b> ZR DSWR DZ	
<b>Evaluation</b> B		<b>Evaluation</b> B	
		Same data as 40SAT/SOG3.	
<b>C<sub>12</sub>H<sub>12</sub>N<sub>4</sub></b> (c)	41SAT/SOC		
2,4-Diaminoazobenzene			
<b>Heat Capacity</b> 323 K,	$C_p = 306.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
Temperature range 0 to 100 °C. Mean value.			
<b>Molecular Weight</b> 212.2536			
<b>Wiswesser Line Notation</b> ZR CZ DNUNR			
<b>Evaluation</b> C			

$C_{12}H_{12}O_4$ (c)		89KIR/CHU	$C_{12}H_{14}N_4O$ (c)		73KAR/SAP
1,4-Dimethylcubane dicarboxylate			3,3',4,4'-Tetraaminodiphenyl oxide; 3,3',4,4'-Tetraaminodiphenyl ether		
<b>Heat Capacity</b>	298.15 K,	$C_p=251.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	300 K,	$C_p=320.24 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
One temperature.			Temperature range 20 to 300 K.		
<b>Phase Changes</b>			<b>Entropy</b>	300 K,	$S=295.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c/liq	437.8 K,	$\Delta H=41000 \text{ J}\cdot\text{mol}^{-1}$	<b>Molecular Weight</b>	230.2688	
		$\Delta S=93.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Wiswesser Line Notation</b>	ZR BZ DOR CZ DZ	
<b>Molecular Weight</b>	220.2250		<b>Evaluation</b>	B	
<b>Wiswesser Line Notation</b>	L444 B4 D4 4ABCD HTJ AVO1 HVO1				
<b>Evaluation</b>	B				
$(C_{12}H_{12}O_4)_n$ (c)		82KAR/SHV2	$C_{12}H_{14}N_4O$ (c)		77KAR/RAB
Poly (butylene terephthalate)			3,3',4,4'-Tetraaminodiphenyl oxide; 3,3',4,4'- Tetraaminodiphenyl ether		
<b>Heat Capacity</b>			<b>Heat Capacity</b>	300 K,	$C_p=400 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 60 to 500 K. $C_p$ data given graphically only.			Temperature range 100 to 700 K. Data given graphically. Value estimated from graph.		
<b>Phase Changes</b>			<b>Entropy</b>	300 K,	$S=293.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c/liq	498.0 K,	$\Delta H=31800 \text{ J}\cdot\text{mol}^{-1}$	<b>Phase Changes</b>		
		$\Delta S=64.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	c/liq	402.6 K,	$\Delta H=25301 \text{ J}\cdot\text{mol}^{-1}$
Extrapolated to 100% crystallinity.		$\Delta H=17500 \text{ J}\cdot\text{mol}^{-1}$			$\Delta S=62.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Actual measurement for 55.5% crystallinity.			<b>Molecular Weight</b>	230.2688	
<b>Molecular Weight</b>	220.2244		<b>Wiswesser Line Notation</b>	ZR BZ DOR CZ DZ	
<b>Wiswesser Line Notation</b>	/*OVR DVO4*/		<b>Evaluation</b>	$C(C_p)$ , A, (S,Phase changes).	
<b>Evaluation</b>	B				
$(C_{12}H_{12}O_4)_n$ (gls)		88CHE/PAN	$C_{12}H_{14}O_4$ (liq)		67CHA/HOR
Poly (butylene terephthalate)			Diethyl o-phthalate		
<b>Heat Capacity</b>	280 K,	$C_p=254 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p=366.15 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 210 to 560 K. Data given graphically. $C_p$ ( $\text{J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ ) = 0.000713 $T^2$ + 0.5203 $T$ + 52.16 (220 to 280 K) for semicrystal.			Temperature range 10 to 360 K. Glass transition temperature about 180 K. Also data for annealed glass and quenched glass 10 to 170 K.		
<b>Phase Changes</b>			<b>Entropy</b>	298.15 K,	$S=425.08 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c,III/c,II	248 K		<b>Phase Changes</b>		
Glass transition for amorphous sample.			c/liq	269.92 K,	$\Delta H=17984 \text{ J}\cdot\text{mol}^{-1}$
c,II/c,I	320 K				$\Delta S=66.63 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Glass transition for semicrystalline sample.			<b>Molecular Weight</b>	222.2402	
c,I/liq	518 K		<b>Wiswesser Line Notation</b>	ZOVR BVO2	
<b>Molecular Weight</b>	220.2244		<b>Evaluation</b>	A	
<b>Wiswesser Line Notation</b>	/*OVR DVO4*/				
<b>Evaluation</b>	B				
$C_{12}H_{13}NO_2$ (c)		89ZHA/HUA	$C_{12}H_{14}O_4$ (liq)		79FUC
4-Methyl-7-dimethylaminocoumarin			Diethyl o-phthalate		
<b>Phase Changes</b>			<b>Heat Capacity</b>	298.15 K,	$C_p=357.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c/liq	416.1 K,	$\Delta H=23915 \text{ J}\cdot\text{mol}^{-1}$	One temperature.		
		$\Delta S=56.91 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Molecular Weight</b>	222.2402	
<b>Molecular Weight</b>	203.2402		<b>Wiswesser Line Notation</b>	ZOVR BVO2	
<b>Wiswesser Line Notation</b>	I66 BOVJ E1 IN1&I		<b>Evaluation</b>	B	
<b>Evaluation</b>	B				
$C_{12}H_{14}N_4O$ (c)		73KAR/SAP	$C_{12}H_{14}O_4$ (liq)		56SMI/DOL
4,4'-Dihydrazinodiphenyl oxide			Diethyl p-phthalate; Diethyl terephthalate		
<b>Heat Capacity</b>	300 K,	$C_p=407.81 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	320 K,	$C_p=381 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 20 to 300 K.			Temperature range 43 to 75 °C. Equation only.		
<b>Entropy</b>	300 K,	$S=322.63 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Phase Changes</b>		
<b>Molecular Weight</b>	230.2688		c/liq	$\Delta H=24600 \text{ J}\cdot\text{mol}^{-1}$	
<b>Wiswesser Line Notation</b>	ZMR DOR DMZ		Melting temperature not given. Premelting over a 10 K range was observed.		
<b>Evaluation</b>	B		<b>Molecular Weight</b>	222.2402	
Assumed - $NHNH_2$ groups are in the 4,4' positions.			<b>Wiswesser Line Notation</b>	ZOVR DVO2	
			<b>Evaluation</b>	C	
$C_{12}H_{15}NO_2$ (liq)			$C_{12}H_{15}NO_2$ (liq)		85KAR/ABD2
Phenylaminoethyl methacrylate			Phenylaminoethyl methacrylate		
<b>Phase Changes</b>			<b>Phase Changes</b>		
c/liq	297.5 K,	$\Delta H=25465 \text{ J}\cdot\text{mol}^{-1}$	c/liq	$\Delta H=25465 \text{ J}\cdot\text{mol}^{-1}$	
		$\Delta S=85.60 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
<b>Molecular Weight</b>	205.2560		<b>Molecular Weight</b>	205.2560	
<b>Wiswesser Line Notation</b>	JUY1&VO2MR		<b>Wiswesser Line Notation</b>	JUY1&VO2MR	
<b>Evaluation</b>	A		<b>Evaluation</b>	A	

$C_{12}H_{16}$ (liq)	83ORO/MRA	$C_{12}H_{18}$ (liq)	47KUR
Cyclohexylbenzene		Hexamethylbenzene	
<b>Heat Capacity</b> 198.15 K,	$C_p = 263.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b> 455 K,	$C_p = 370.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 220 to 475 K. $C_p(c) = 0.8803$	(T/K) - 29.2 (220 to 280.5 K); $C_p(\text{liq}) = 0.6130$ (T/K) + 80.4 (280.5 to 475 K) $\text{J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ .	Temperature range 183 to 256 °C, mean $C_p$ , two temperatures.	
<b>Phase Changes</b>		<b>Molecular Weight</b> 162.2742	
c/liq	280.5 K,	<b>Wiswesser Line Notation</b> 1R B1 C1 D1 E1 F1	
	$\Delta H = 15270 \text{ J}\cdot\text{mol}^{-1}$	<b>Evaluation</b>	D
	$\Delta S = 54.44 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		
<b>Molecular Weight</b> 160.2584			
<b>Wiswesser Line Notation</b> L6TJ AR			
<b>Evaluation</b>	A		
$C_{12}H_{16}N_2O_2$ (c)	91ABA/DEL	$C_{12}H_{18}$ (c)	56MOM/SUC
N-Acetylphenylalanine-N'-methylamide(DL); 2-(Acetylamino)-N-methylbenzenepropanamide(DL)		Hexamethylbenzene	
<b>Heat Capacity</b> 298 K,	$C_p = 278.25 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b> 293.81 K,	$C_p = 256.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Data extrapolated to 298 K from values obtained at higher temperatures.		Temperature range 273 to 443 K. Unsmoothed experimental datum.	
<b>Molecular Weight</b> 220.2706		<b>Phase Changes</b>	
<b>Wiswesser Line Notation</b> 1VMYMV1&IR -DL		c,II/c,I	$\Delta H = 1841 \text{ J}\cdot\text{mol}^{-1}$
<b>Evaluation</b>	C	c,II/liq	$\Delta S = 4.81 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
			$\Delta H = 20585 \text{ J}\cdot\text{mol}^{-1}$
			$\Delta S = 46.86 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b> 162.2742			
<b>Wiswesser Line Notation</b> 1R B1 C1 D1 E1 F1			
<b>Evaluation</b>	B		
$C_{12}H_{16}N_2O_2$ (c)	91ABA/DEL	$C_{12}H_{18}$ (c,I)	65FRA/AST
N-Acetylphenylalanine-N'-methylamide(L); 2-(Acetylamino)-N-methylbenzenepropanamide(L)		Hexamethylbenzene	
<b>Heat Capacity</b> 298 K,	$C_p = 277.97 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p = 245.64 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Data extrapolated to 298 K from values obtained at higher temperatures.		Temperature range 13 to 340 K.	
<b>Molecular Weight</b> 220.2706		<b>Entropy</b>	$S = 306.31 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Wiswesser Line Notation</b> 1VMYVM1&IR -L		<b>Phase Changes</b>	
<b>Evaluation</b>	C	c,II/c,I	$\Delta H = 1128.4 \text{ J}\cdot\text{mol}^{-1}$
			$\Delta S = 10.08 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
			Entropy obtained as difference of integral of observed $C_p$ over range 115 to 128 K, and integral of extrapolated $C_p$ data.
<b>Molecular Weight</b> 162.2742			
<b>Wiswesser Line Notation</b> 1R B1 C1 D1 E1 F1			
<b>Evaluation</b>	A		
$C_{12}H_{16}O_2$ (c)	88COL/JIM	$C_{12}H_{18}$ (c)	82ATA/GYC
Pentamethylbenzoic acid		Hexamethylbenzene	
<b>Heat Capacity</b> 298.15 K,	$C_p = 249.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b> 300 K,	$C_p = 252.11 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
One temperature.		Temperature range 3 to 300 K.	
<b>Molecular Weight</b> 192.2572		<b>Entropy</b>	$S = 302.81 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Wiswesser Line Notation</b> QVR B1 C1 D1 E1 F1		<b>Phase Changes</b>	
<b>Evaluation</b>	B	c,II/c,I	$\Delta H = 990 \text{ J}\cdot\text{mol}^{-1}$
			$\Delta S = 8.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
			First order transition.
$C_{12}H_{18}$ (c,l)	30HUF/PAR	<b>Molecular Weight</b> 162.2742	
Hexamethylbenzene		<b>Wiswesser Line Notation</b> 1R B1 C1 D1 E1 F1	
<b>Heat Capacity</b> 294.6 K,	$C_p = 254.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Evaluation</b>	A
Temperature range 85 to 294 K. Value is unsmoothed experimental datum.		An additional thermal anomaly producing a hump in the heat capacity curve with a maximum of 50 $\text{J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ at 128 K is hidden behind the first order transition.	
<b>Entropy</b>	298.1 K,		
$S = 309.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
Extrapolation below 90 K, 82.38 $\text{J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ .			
<b>Phase Changes</b>			
c,III/c,II	108 K,	$\Delta H = 1017 \text{ J}\cdot\text{mol}^{-1}$	
		$\Delta S = 9.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
c,II/c,I	151 K,	$\Delta H = 155 \text{ J}\cdot\text{mol}^{-1}$	
		$\Delta S = 1.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Molecular Weight</b> 162.2742			
<b>Wiswesser Line Notation</b> 1R B1 C1 D1 E1 F1			
<b>Evaluation</b>	B( $C_p$ ), C(S)		
$C_{12}H_{18}$ (c,II)	32SPA/THO	$C_{12}H_{18}$ (c)	85YOS/FU
Hexamethylbenzene		Hexamethylbenzene	
<b>Heat Capacity</b> 303 K,	$C_p = 258.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Phase Changes</b>	
Temperature range 30 to 200 °C.		c,II/c,I	$\Delta H = 1103 \text{ J}\cdot\text{mol}^{-1}$
<b>Phase Changes</b>			$\Delta S = 9.55 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c,II/c,I	383.7 K,		
		<b>Molecular Weight</b> 162.2742	
c,II/liq	438.7 K,	<b>Wiswesser Line Notation</b> 1R B1 C1 D1 E1 F1	
		<b>Evaluation</b>	A
<b>Molecular Weight</b> 162.2742			
<b>Wiswesser Line Notation</b> 1R B1 C1 D1 E1 F1			
<b>Evaluation</b>	B		
$C_{12}H_{18}$ (c)	88PET/TS'	$C_{12}H_{18}$ (c)	
Hexamethylbenzene		Hexamethylbenzene	
<b>Phase Changes</b>		<b>Phase Changes</b>	
c,II/c,I	384.0 K,	c,II/c,I	$\Delta H = 1500 \text{ J}\cdot\text{mol}^{-1}$
			$\Delta S = 3.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b> 162.2742		<b>Molecular Weight</b> 162.2742	
<b>Wiswesser Line Notation</b> 1R B1 C1 D1 E1 F1		<b>Wiswesser Line Notation</b> 1R B1 C1 D1 E1 F1	
<b>Evaluation</b>	A		

<b>C<sub>12</sub>H<sub>18</sub></b> (c)		89COL/JIM	<b>C<sub>12</sub>H<sub>18</sub>CuO<sub>4</sub></b> (c)		92RIB/FER
Hexamethylbenzene			Bis(3-methylpentane-2,4-dionato)copper(II)		
<b>Heat Capacity</b>	298.15 K,	$C_p = 243.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Phase Changes</b>		
One temperature.			c/g	430 K,	$\Delta H = 132700 \text{ J}\cdot\text{mol}^{-1}$
<b>Molecular Weight</b>	162.2742		<b>Molecular Weight</b>	289.8178	
<b>Wiswesser Line Notation</b>	I R B1 C1 D1 E1 F1		<b>Wiswesser Line Notation</b>	D6O-CU-O ADJ D1 E1 F1 B-& BD6O-CU-O	
<b>Evaluation</b>	C		<b>Evaluation</b>	A	
<b>C<sub>12</sub>H<sub>18</sub></b> (c)		92FUJ/INA	<b>C<sub>12</sub>H<sub>18</sub>O</b> (c)		92ABB/JIM
Hexamethylbenzene			1-Adamantyl methyl ketone		
<b>Phase Changes</b>			<b>Heat Capacity</b>	298.15 K,	$C_p = 217.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c,III/c,II	117.5 K,	$\Delta H = 1100 \text{ J}\cdot\text{mol}^{-1}$	One temperature.		
		$\Delta S = 9.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Molecular Weight</b>	178.2736	
From 82ATA/GYO			<b>Wiswesser Line Notation</b>	L66 B6/B-H/DI A B- C 1B ITJ FV1	
c,III/c,I	382 K		<b>Evaluation</b>	B	
c,I/liq	439 K				
<b>Molecular Weight</b>	162.2742				
<b>Wiswesser Line Notation</b>	I R B1 C1 D1 E1 F1				
<b>Evaluation</b>	A				
<b>C<sub>12</sub>H<sub>18</sub></b> (liq)		48TSC	<b>C<sub>12</sub>H<sub>18</sub>O<sub>2</sub></b> (liq)		77KAR/SAP
n-Hexylbenzene			Acetophenone diethyl ketal		
<b>Heat Capacity</b>	293 K,	$C_p = 248 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298 K,	$C_p = 210 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
One temperature.			Temperature range 60 to 340 K. $C_p$ estimated from equation:		
<b>Molecular Weight</b>	162.2742		$C_p = (475) (0.71198 - 0.000908T)$ .		
<b>Wiswesser Line Notation</b>	6R		<b>Molecular Weight</b>	194.2730	
<b>Evaluation</b>	C		<b>Wiswesser Line Notation</b>	2OX1&O2&R	
			<b>Evaluation</b>	D	
<b>C<sub>12</sub>H<sub>18</sub></b> (liq)		89LAI/ROD	<b>C<sub>12</sub>H<sub>18</sub>O<sub>2</sub></b> (gls)		78KAR/SAP
trans,trans,cis-1,5,9-Cyclododecatriene			Acetophenone diethyl ketal		
<b>Heat Capacity</b>	298.15 K,	$C_p = 287.76 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Entropy</b>	298.15 K,	$S = 364.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
One temperature.			<b>Molecular Weight</b>	194.2730	
<b>Molecular Weight</b>	162.2742		<b>Wiswesser Line Notation</b>	2OX1&O2&R	
<b>Wiswesser Line Notation</b>	L-12- AU EU IUTJ -TTC		<b>Evaluation</b>	A	
<b>Evaluation</b>	B		T(glass)=173.2 K.		
Compound assumed to be 1,4:5,8-Dimethanodecalin isomer.					
<b>C<sub>12</sub>H<sub>18</sub></b> (liq)		63GUD/CAM	<b>C<sub>12</sub>H<sub>18</sub>O<sub>2</sub></b> (c)		92ABB/JIM2
1,4:5,8-Dimethanodecalin; 1,4:5,8-Dimethanodecahydronaphthalene			Adamantan-1-carboxylic acid methyl ester		
<b>Heat Capacity</b>	313 K,	$C_p = 334.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p = 264.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 313 to 423 K.			One temperature.		
<b>Molecular Weight</b>	162.2742		<b>Molecular Weight</b>	194.2730	
<b>Wiswesser Line Notation</b>	L D5 C555 A D-TJ		<b>Wiswesser Line Notation</b>	L66 B6 /B-H/ A B- C 1B ITJ FVO1	
<b>Evaluation</b>	D		<b>Evaluation</b>	B	
Compound assumed to be 1,4:5,8-Dimethanodecalin isomer.					
<b>C<sub>12</sub>H<sub>18</sub>Be<sub>4</sub>O<sub>13</sub></b> (c)		47JAF	<b>C<sub>12</sub>H<sub>20</sub></b> (liq)		63GUD/CAM
Beryllium oxyacetate			Perhydromethylcyclopentadiene dimer		
<b>Heat Capacity</b>	298.95 K,	$C_p = 553.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	313 K,	$C_p = 292.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 297 to 332 K. Unsmoothed experimental datum.			Temperature range 313 to 523 K.		
<b>Molecular Weight</b>	406.3151		<b>Molecular Weight</b>	164.2900	
<b>Wiswesser Line Notation</b>	OV1 6 .BE 4 &O		<b>Wiswesser Line Notation</b>	L B545TJ X1 X1	
<b>Evaluation</b>	C		<b>Evaluation</b>	C	
<b>C<sub>12</sub>H<sub>18</sub>Be<sub>4</sub>O<sub>13</sub></b> (c)		55MOM/SEK	<b>C<sub>12</sub>H<sub>20</sub></b> (liq)		62GOL/BEL
Beryllium oxyacetate			Tricyclo[6.2.1.1 <sup>3,6</sup> ]dodecane		
<b>Heat Capacity</b>	298.85 K,	$C_p = 514.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	311 K,	$C_p = 279.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 273 to 370 K. Unsmoothed experimental datum.			Temperatures 100, 200, 300 °F.		
<b>Phase Changes</b>			<b>Molecular Weight</b>	164.2900	
c,II/c,I	315 K		<b>Wiswesser Line Notation</b>	L59 D5 A D-TJ	
Lambda type transition at 315 K. Transitions also indicated at 305, 350			<b>Evaluation</b>	C	
and 398 K.					
c,I/liq	421 K.	$\Delta H = 27196 \text{ J}\cdot\text{mol}^{-1}$			
		$\Delta S = 48.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
<b>Molecular Weight</b>	406.3151				
<b>Wiswesser Line Notation</b>	OV1 6 .BE 4 &O				
<b>Evaluation</b>	B( $C_p$ ), A(Phase changes)				

<b>C<sub>12</sub>H<sub>20</sub>BrN</b> (c)		89VAN/WHI	<b>C<sub>12</sub>H<sub>22</sub></b> (liq)	62GOL/BEL
6-Phenylhexylammonium bromide			α-Ethyldecalin	
<b>Phase Changes</b>			<b>Heat Capacity</b> 311 K,	
c,II/c,I	334 K,	$\Delta H = 14400 \text{ J} \cdot \text{mol}^{-1}$	Temperatures 100, 200, 300 °F.	$C_p = 303.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b> 258.2007		$\Delta S = 5.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b> 166.3058	
Wiswesser Line Notation Z6R &EH			Wiswesser Line Notation L66TJ B2	
<b>Evaluation</b>	A		<b>Evaluation</b> C	
<b>C<sub>12</sub>H<sub>20</sub>ClN</b> (c)		89VAN/WHI	<b>C<sub>12</sub>H<sub>22</sub></b> (liq)	63GUD/CAM
6-Phenylhexylammonium chloride			α-Ethyldecalin	
<b>Phase Changes</b>			<b>Heat Capacity</b> 313 K,	
c,IV/c,III	319 K,	$\Delta H = 40 \text{ J} \cdot \text{mol}^{-1}$	Temperature range 313 to 483 K.	$C_p = 305.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c,III/c,II	338 K,	$\Delta S = 0.02 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b> 166.3058	
c,II/c,I	345 K,	$\Delta H = 1170 \text{ J} \cdot \text{mol}^{-1}$	Wiswesser Line Notation L66TJ B2	
<b>Molecular Weight</b> 213.7497		$\Delta S = 0.41 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Evaluation</b> C	
Wiswesser Line Notation Z6R &GH		$\Delta H = 550 \text{ J} \cdot \text{mol}^{-1}$		
<b>Evaluation</b>	A	$\Delta S = 0.19 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
<b>C<sub>12</sub>H<sub>20</sub>N<sub>2</sub>O<sub>3</sub></b> (c)		89VAN/WHI	<b>C<sub>12</sub>H<sub>22</sub></b> (liq)	62GOL/BEL
6-Phenylhexylammonium nitrate			β-Ethyldecalin	
<b>Phase Changes</b>			<b>Heat Capacity</b> 311 K,	
c,II/c,I	325 K,	$\Delta H = 21700 \text{ J} \cdot \text{mol}^{-1}$	Temperatures 100, 200, 300 °F.	$C_p = 290.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b> 240.3016		$\Delta S = 7.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b> 166.3058	
Wiswesser Line Notation Z6R &WNQ			Wiswesser Line Notation L66TJ C2	
<b>Evaluation</b>	A		<b>Evaluation</b> C	
<b>(C<sub>12</sub>H<sub>20</sub>O<sub>4</sub>)<sub>n</sub></b> (c)		58WUN/DOL	<b>C<sub>12</sub>H<sub>22</sub></b> (liq)	63GUD/CAM
Poly(ethylenesabacate)			β-Ethyldecalin	
<b>Heat Capacity</b> 298 K,		$C_p = 469 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 313 K,	
Temperature range 256 to 408 K. Value per repeating monomer units.			Temperature range 313 to 483 K.	$C_p = 292.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Phase Changes</b>			<b>Molecular Weight</b> 166.3058	
c/liq	342 K		Wiswesser Line Notation L66TJ C2	
<b>Molecular Weight</b> 228.2876			<b>Evaluation</b> C	
Wiswesser Line Notation /*VO2OV8*/				
<b>Evaluation</b>	C			
<b>C<sub>12</sub>H<sub>20</sub>O<sub>6</sub></b> (liq)		86NIL/WAD	<b>C<sub>12</sub>H<sub>22</sub></b> (liq)	63GUD/CAM
Tripropionin			Dimethyldecalin	
<b>Heat Capacity</b> 298.15 K,		$C_p = 481.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 313 K,	
One temperature.			Temperature range 313 to 483 K.	$C_p = 303.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b> 260.2864			<b>Molecular Weight</b> 166.3058	
Wiswesser Line Notation 2VO1YOV2&1OV2			Wiswesser Line Notation L66TJ X1 X1	
<b>Evaluation</b>	A		<b>Evaluation</b> C	
<b>C<sub>12</sub>H<sub>22</sub></b> (liq)		62GOL/BEL	<b>C<sub>12</sub>H<sub>22</sub></b> (liq)	63GUD/CAM
Isopropylhydroindan			Ethyldecalin	
<b>Heat Capacity</b> 311 K,		$C_p = 329.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 313 K,	
Temperatures 100, 200, 300 °F.			Temperature range 313 to 423 K.	$C_p = 318.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b> 166.3058			<b>Molecular Weight</b> 166.3058	
Wiswesser Line Notation L56TJ XY1&1			Wiswesser Line Notation L66TJ X2	
<b>Evaluation</b>	C		<b>Evaluation</b> C	
<b>C<sub>12</sub>H<sub>22</sub></b> (liq)		63GUD/CAM	<b>C<sub>12</sub>H<sub>22</sub></b> (liq)	62GOL/BEI
Isopropylhydroindan			Bicyclohexyl	
<b>Heat Capacity</b> 313 K,		$C_p = 327.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 311 K,	
Temperature range 313 to 423 K.			Temperatures 100, 200, 300 °F.	$C_p = 300.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b> 166.3058			<b>Molecular Weight</b> 166.3058	
Wiswesser Line Notation L56TJ XY1&1			Wiswesser Line Notation L6TJ A- AL6TJ	
<b>Evaluation</b>	C		<b>Evaluation</b> C	

$C_{12}H_{22}$ (liq)		63GUD/CAM	$C_{12}H_{22}O_2$ (liq)		85KAR/SAI
Bicyclohexyl			Octyl methacrylate		
<b>Heat Capacity</b>	313 K,	$C_p = 300 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p = 386.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 313 to 483 K.			Temperature range 90 to 350 K. $C_p(c) = 199.31 + 5.22T \text{ J/kg}\cdot\text{K}$ (95 to 205 K); $C_p(\text{liq}) = 1261.84 + 2.30T \text{ J/kg}\cdot\text{K}$ (230.3 to 350 K). $C_p$ data calculated from equation.		
<b>Molecular Weight</b>	166.3058				
<b>Wiswesser Line Notation</b>	L6TJ A- AL6TJ		<b>Phase Changes</b>		
<b>Evaluation</b>	C		c/liq	230.3 K	
$C_{12}H_{22}$ (liq)		83ORO/MRA	<b>Molecular Weight</b>	198.3046	
Bicyclohexyl			<b>Wiswesser Line Notation</b>	8OVY1&U1	
<b>Heat Capacity</b>	298.15 K,	$C_p = 283.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Evaluation</b>	B	
Temperature range 220 to 475 K. $C_p = 0.7589 (\text{T/K}) + 56.7$ (277.2 to 475 K) $\text{J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ .					
<b>Phase Changes</b>			$C_{12}H_{22}O_2$ (liq)		85KAR/ABD2
c,IV/c,III	256.1 K,	$\Delta H = 1540 \text{ J}\cdot\text{mol}^{-1}$	Nonyl acrylate		
c,III/c,II	267.5 K,	$\Delta H = 740 \text{ J}\cdot\text{mol}^{-1}$	<b>Phase Changes</b>		
c,II/c,I	273.5 K,	$\Delta H = 7080 \text{ J}\cdot\text{mol}^{-1}$	c/liq	236.5 K,	$\Delta H = 23362 \text{ J}\cdot\text{mol}^{-1}$
c,II/liq	277.2 K,	$\Delta H = 6780 \text{ J}\cdot\text{mol}^{-1}$			$\Delta S = 98.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b>	166.3058		<b>Molecular Weight</b>	198.3046	
<b>Wiswesser Line Notation</b>	L6TJ A- AL6TJ		<b>Wiswesser Line Notation</b>	9OV1U1	
<b>Evaluation</b>	A		<b>Evaluation</b>	A	
$C_{12}H_{22}$ (liq)		92HOR/KLA	$C_{12}H_{22}O_2$ (liq)		85KAR/SAI
Bicyclohexyl			Nonyl acrylate		
<b>Phase Changes</b>			<b>Heat Capacity</b>	298.15 K,	$C_p = 417.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c,IV/c,III	256.5 K,	$\Delta H = 1350 \text{ J}\cdot\text{mol}^{-1}$	Temperature range 90 to 350 K. $C_p(c) = 85.37 + 6.51T \text{ J/kg}\cdot\text{K}$ (98 to 210 K); $C_p(\text{liq}) = 398.84 + 5.73T \text{ J/kg}\cdot\text{K}$ (236.5 to 350 K). $C_p$ data calculated from equation.		
c,III/c,II	267.0 K,	$\Delta S = 5.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Phase Changes</b>		
c,II/c,I	273.6 K,	$\Delta H = 320 \text{ J}\cdot\text{mol}^{-1}$	c/liq	236.5 K	
c,II/liq	277.4 K,	$\Delta S = 1.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Molecular Weight</b>	198.3046	
		$\Delta H = 7090 \text{ J}\cdot\text{mol}^{-1}$	<b>Wiswesser Line Notation</b>	9OV1U1	
		$\Delta S = 25.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Evaluation</b>	B	
		$\Delta H = 6610 \text{ J}\cdot\text{mol}^{-1}$			
		$\Delta S = 23.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
Crystal/isotropic liquid transition.					
<b>Molecular Weight</b>	166.3058		$C_{12}H_{22}O_4$ (liq)		89KHO/PUL
<b>Wiswesser Line Notation</b>	L6TJ A- AL6TJ		Dibutyl succinate		
<b>Evaluation</b>	A		<b>Heat Capacity</b>	298.15 K,	$C_p = 436.24 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
DSC heating curve.			Temperature range 90 to 400 K.		
$C_{12}H_{22}O_2$ (liq)		85KAR/ABD	<b>Entropy</b>	298.15 K,	$S = 548.44 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Octyl methacrylate			<b>Phase Changes</b>		
<b>Heat Capacity</b>	298.15 K,	$C_p = 386.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	c/liq	244.13 K,	$\Delta H = 29211 \text{ J}\cdot\text{mol}^{-1}$
Temperature range 230 to 350 K. $C_p (\text{J}\cdot\text{kg}^{-1}\cdot\text{K}^{-1}) = 1261.8 + 2.2971 T$ . $C_p$ data calculated from equation.					$\Delta S = 119.60 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Phase Changes</b>			<b>Molecular Weight</b>	230.3034	
c/liq	230.3 K		<b>Wiswesser Line Notation</b>	4OV2VO1	
<b>Molecular Weight</b>	198.3046		<b>Evaluation</b>	A	
<b>Wiswesser Line Notation</b>	8OVY1&U1		T(glass)=155.5 K.		
<b>Evaluation</b>	B				
$C_{12}H_{22}O_2$ (liq)		85KAR/ABD2	$C_{12}H_{22}O_4$ (c)		74CIN/BER
Octyl methacrylate			Dodecanedioic acid		
<b>Phase Changes</b>			<b>Phase Changes</b>		
c/liq	230.3 K,	$\Delta H = 24085 \text{ J}\cdot\text{mol}^{-1}$	c/liq	402.5 K,	$\Delta H = 50564 \text{ J}\cdot\text{mol}^{-1}$
		$\Delta S = 104.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			$\Delta S = 125.60 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b>	198.3046		<b>Molecular Weight</b>	230.3034	
<b>Wiswesser Line Notation</b>	8OVY1&U1		<b>Wiswesser Line Notation</b>	QV10VQ	
<b>Evaluation</b>	A		<b>Evaluation</b>	B	

<b>2C<sub>12</sub>H<sub>22</sub>O<sub>4</sub>Pb</b> (c)		76ADE/SIM	C <sub>12</sub> H <sub>22</sub> O <sub>11</sub> (c)	03MAG
Lead(II) n-hexanoate			Sucrose; Cane sugar	
<b>Phase Changes</b>			<b>Heat Capacity</b> 298 K, $C_p = 431.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
c/liq	335.9 K,	$\Delta H = 6020 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 18.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	One temperature. $C_p$ given as 0.301 cal·g <sup>-1</sup> ·K <sup>-1</sup> .	
Crystal-smectic.			<b>Molecular Weight</b> 342.2992	
liq/liq	338.5 K,	$\Delta H = 15800 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 46.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Wiswesser Line Notation</b> T6OTJ B1Q CQ DQ EQ FO- BT5OTJ B1Q CQ DQ E1Q -A&BD -B&CEF -A&BD -B&CE	
Smectic-isomorphous.			<b>Evaluation</b> D	
liq/liq	350.2 K,	$\Delta H = 1300 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 3.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
Isomorphous-liquid.				
<b>Molecular Weight</b> 437.5034				
<b>Wiswesser Line Notation</b> OV5 2 .PB				
<b>Evaluation</b>	B			
<b>C<sub>12</sub>H<sub>22</sub>O<sub>4</sub>Zn</b> (c)		78KON/RUF	C <sub>12</sub> H <sub>22</sub> O <sub>11</sub> (c)	33PAR/HUF
Zinc(II) n-hexanoate			Sucrose; Cane sugar	
<b>Phase Changes</b>			<b>Heat Capacity</b> 297.0 K, $C_p = 422.50 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
c,III/c,II	353 K,	$\Delta H = 7000 \text{ J} \cdot \text{mol}^{-1}$	Temperature range 94 to 297 K. Value is unsmoothed experimental datum.	
c,II/c,I	378 K,	$\Delta H = 6400 \text{ J} \cdot \text{mol}^{-1}$		
c,I/liq	418 K,	$\Delta H = 26000 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 62 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
<b>Molecular Weight</b> 295.6834			<b>Entropy</b> 298.1 K, $S = 360.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Wiswesser Line Notation</b> OV5 2 .ZN			Extrapolation below 90 K, 113.2 J·mol <sup>-1</sup> ·K <sup>-1</sup> .	
<b>Evaluation</b>	B		<b>Molecular Weight</b> 342.2992	
 			<b>Wiswesser Line Notation</b> T6OTJ B1Q CQ DQ EQ FO- BT5OTJ B1C CQ DQ E1Q -A&BD -B&CEF -A&BD -B&CE	
 			<b>Evaluation</b> B( $C_p$ ), C(S)	
<b>(C<sub>12</sub>H<sub>22</sub>O<sub>5</sub>)<sub>n</sub></b> (c)		91YIN/LIU	C <sub>12</sub> H <sub>22</sub> O <sub>11</sub> (c)	50AND/HIC
Ethyl cellulose			Sucrose; Cane sugar	
<b>Heat Capacity</b> 298 K, $C_p = 392.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			<b>Heat Capacity</b> 298.15 K, $C_p = 425.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 293 to 338 K. $C_p$ value reported at 298 K is 1.594 J/g·K.			Temperature range 298 to 363 K.	
<b>Molecular Weight</b> 246.3028			<b>Molecular Weight</b> 342.2992	
<b>Wiswesser Line Notation</b> /T5OTJ B* CO2 DO2 EO* F1O2/			<b>Wiswesser Line Notation</b> T6OTJ B1Q CQ DQ EQ FO- BT5OTJ B1C CQ DQ E1Q -A&BD -B&CEF -A&BD -B&CE	
<b>Evaluation</b>	B		<b>Evaluation</b> B	
<b>C<sub>12</sub>H<sub>22</sub>O<sub>6</sub></b> (liq)		82BAB/RAB	C <sub>12</sub> H <sub>22</sub> O <sub>11</sub> (c)	89FIN/FR <sup>A</sup>
Oligoethylene butylene glycol adipate; 1,4-Butylene glycol-ethylene glycol-adipic acid oligomer			Sucrose; Cane sugar	
<b>Heat Capacity</b> 298.15 K, $C_p = 482.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			<b>Heat Capacity</b> 300 K, $C_p = 430 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 5 to 330 K. $C_p = 1.839 \text{ kJ} \cdot \text{kg}^{-1} \cdot \text{K}^{-1}$ at 298.15 K.			One temperature. T(glass)=330 K.	
<b>Entropy</b> 298.15 K, $S = 471.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			<b>Molecular Weight</b> 342.2992	
$S^\circ = 1.796 \text{ kJ} \cdot \text{kg}^{-1} \cdot \text{K}^{-1}$ at 298.15 K.			<b>Wiswesser Line Notation</b> T6OTJ B1Q CQ DQ EQ FO- BT5OTJ B1C CQ DQ E1Q -A&BD -B&CEF -A&BD -B&CE	
<b>Phase Changes</b>			<b>Evaluation</b> B	
gls/liq	207 K,	$\Delta H = 11565 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 55.87 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
<b>Molecular Weight</b> 262.3022				
<b>Wiswesser Line Notation</b> Q4OV4VO2Q				
<b>Evaluation</b>	A			
Data for glassy oligomer to liquid oligomer.				
<b>C<sub>12</sub>H<sub>22</sub>O<sub>6</sub></b> (liq)		82BAB/RAB	C <sub>12</sub> H <sub>22</sub> O <sub>11</sub> (c)	93PUT/BOI
Oligoethylene butylene glycol adipate; 1,4-Butylene glycol-ethylene glycol-adipic acid oligomer			Sucrose; Cane sugar	
<b>Heat Capacity</b> 298.15 K, $C_p = 482.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			<b>Heat Capacity</b> 298.15 K, $C_p = 424.30 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 5 to 330 K. $C_p = 1.839 \text{ kJ} \cdot \text{kg}^{-1} \cdot \text{K}^{-1}$ at 298.15 K.			Temperature range 10 to 340 K.	
<b>Entropy</b> 298.15 K, $S = 527.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			<b>Entropy</b> 298.15 K, $S = 392.40 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
$S^\circ = 2.009 \text{ kJ} \cdot \text{kg}^{-1} \cdot \text{K}^{-1}$ at 298.15 K.			<b>Molecular Weight</b> 342.2992	
<b>Phase Changes</b>			<b>Wiswesser Line Notation</b> T6OTJ B1Q CQ DQ EQ FO- BT5OTJ B1C CQ DQ E1Q -A&BD -B&CEF -A&BD -B&CE	
c,l/liq	290.7 K,	$\Delta H = 32709 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 112.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Evaluation</b> A	
<b>Molecular Weight</b> 262.3022				
<b>Wiswesser Line Notation</b> Q4OV4VO2Q				
<b>Evaluation</b>	A			
Data for crystalline oligomer to liquid oligomer.				
<b>C<sub>12</sub>H<sub>22</sub>O<sub>6</sub></b> (liq)		82BAB/RAB	C <sub>12</sub> H <sub>22</sub> O <sub>11</sub> (c)	03MAC
Oligoethylene butylene glycol adipate; 1,4-Butylene glycol-ethylene glycol-adipic acid oligomer			Maltose	
<b>Heat Capacity</b> 298.15 K, $C_p = 482.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			<b>Heat Capacity</b> 298 K, $C_p = 461.2 \text{ J mol}^{-1} \text{ K}^{-1}$	
Temperature range 5 to 330 K. $C_p = 1.839 \text{ kJ} \cdot \text{kg}^{-1} \cdot \text{K}^{-1}$ at 298.15 K.			One temperature. $C_p$ given as 0.322 cal·g <sup>-1</sup> ·K <sup>-1</sup> .	
<b>Entropy</b> 298.15 K, $S = 527.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			<b>Molecular Weight</b> 342.2992	
$S^\circ = 2.009 \text{ kJ} \cdot \text{kg}^{-1} \cdot \text{K}^{-1}$ at 298.15 K.			<b>Wiswesser Line Notation</b> T6OTJ BQ CQ DQ F1Q EO- BT6OTJ CQ DQ F1Q -A&CE -B&BDF -A&BCE -B&DF	
<b>Phase Changes</b>			<b>Evaluation</b> D	
c,l/liq	290.7 K,	$\Delta H = 32709 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 112.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
<b>Molecular Weight</b> 262.3022				
<b>Wiswesser Line Notation</b> Q4OV4VO2Q				
<b>Evaluation</b>	A			
Data for crystalline oligomer to liquid oligomer.				
<b>C<sub>12</sub>H<sub>22</sub>O<sub>6</sub></b> (liq)		81KAW/NI	C <sub>12</sub> H <sub>22</sub> O <sub>11</sub> (c)	81KAW/NI
Oligoethylene butylene glycol adipate; 1,4-Butylene glycol-ethylene glycol-adipic acid oligomer			Maltose	
<b>Heat Capacity</b> 298.15 K, $C_p = 482.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			<b>Heat Capacity</b> 300 K, $C_p = 435 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 270 to 325 K. $C_p$ given as 1.27 J·g <sup>-1</sup> ·K <sup>-1</sup> at 300 K			Temperature range 270 to 325 K. $C_p$ given as 1.27 J·g <sup>-1</sup> ·K <sup>-1</sup> at 300 K	
<b>Entropy</b> 298.15 K, $S = 527.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			<b>Molecular Weight</b> 342.2992	
$S^\circ = 2.009 \text{ kJ} \cdot \text{kg}^{-1} \cdot \text{K}^{-1}$ at 298.15 K.			<b>Wiswesser Line Notation</b> T6OTJ BQ CQ DQ F1Q EO- BT6OTJ CQ DQ F1Q -A&CE -B&BDF -A&BCE -B&DF	
<b>Phase Changes</b>			<b>Evaluation</b> B	
c,l/liq	290.7 K,	$\Delta H = 32709 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 112.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
<b>Molecular Weight</b> 262.3022				
<b>Wiswesser Line Notation</b> Q4OV4VO2Q				
<b>Evaluation</b>	A			
Data for crystalline oligomer to liquid oligomer.				

<b>C<sub>12</sub>H<sub>22</sub>O<sub>11</sub></b> (c)	03MAG	<b>C<sub>12</sub>H<sub>23</sub>O<sub>2</sub>Tl</b> (c)	76MEI/SEY
Lactose; Milk sugar		Thallium n-dodecanoate	
<b>Heat Capacity</b> 298 K, $C_p = 412.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Phase Changes</b>	
One temperature. $C_p$ given as $0.288 \text{ cal} \cdot \text{g}^{-1} \cdot \text{K}^{-1}$ .		c,III/c,II 312 K,	$\Delta H = 3807 \text{ J} \cdot \text{mol}^{-1}$
<b>Molecular Weight</b> 342.2992		c,II/c,I 354 K,	$\Delta S = 12.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Wiswesser Line Notation T6OTJ BQ CQ DQ F1Q EO- BT6OTJ CQ DQ		liq/liq 471 K,	$\Delta H = 2427 \text{ J} \cdot \text{mol}^{-1}$
EQ F1Q -A&CE -B&BDF -A&BCE -B&DF			$\Delta S = 6.69 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Evaluation</b> D			$\Delta H = 1925 \text{ J} \cdot \text{mol}^{-1}$
			$\Delta S = 4.10 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>C<sub>12</sub>H<sub>22</sub>O<sub>11</sub></b> (c)	36FUR/STE	Mesophase-isotropic.	
$\beta$ -Lactose		c,I/liq 398 K,	$\Delta H = 5858 \text{ J} \cdot \text{mol}^{-1}$
<b>Heat Capacity</b> 298.44 K, $C_p = 408.27 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			$\Delta S = 14.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 83 to 298 K. Value is unsmoothed experimental datum.		Solid-mesophase.	
<b>Entropy</b> 298 K, $S = 403.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Molecular Weight</b> 403.6825	
Extrapolation below 90 K, $26.00 \text{ cal} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .		Wiswesser Line Notation OV11 .TL	
<b>Molecular Weight</b> 342.2992		<b>Evaluation</b> B	
Wiswesser Line Notation T6OTJ BQ CQ DQ F1Q EO- BT6OTJ CQ DQ			
EQ F1Q -A&CE -B&BDF -A&BCE -B&DF			
<b>Evaluation</b> B( $C_p$ ),C(S)			
<b>C<sub>12</sub>H<sub>22</sub>O<sub>11</sub></b> (c)	41AND/STE	<b>C<sub>12</sub>H<sub>23</sub>O<sub>2</sub>Tl</b> (c)	87LOP/WES
$\beta$ -Lactose		Thallium n-dodecanoate	
<b>Heat Capacity</b> 289.44 K, $C_p = 399.78 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K,	$C_p = 471.84 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 65 to 290 K. Value is unsmoothed experimental datum.		Temperature range 7 to 470 K.	
<b>Entropy</b> 298.15 K, $S = 386.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Entropy</b> 298.15 K,	$S = 451.06 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Extrapolation below 90 K, $94.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .		<b>Phase Changes</b>	
<b>Molecular Weight</b> 342.2992		c,VI/c,V 283.0 K,	$\Delta H = 1829 \text{ J} \cdot \text{mol}^{-1}$
Wiswesser Line Notation T6OTJ BQ CQ DQ F1Q EO- BT6OTJ CQ DQ		c,V/c,IV 285.2 K,	$\Delta S = 6.49 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
EQ F1Q -A&CE -B&BDF -A&BCE -B&DF		c,IV/c,III 293.6 K,	$\Delta H = 2087 \text{ J} \cdot \text{mol}^{-1}$
<b>Evaluation</b> B( $C_p$ ),C(S)		c,III/c,II 312.3 K	$\Delta S = 7.32 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
		c,II/c,I 356.6 K,	$\Delta H = 1413 \text{ J} \cdot \text{mol}^{-1}$
		c,I/liq 400.1 K	$\Delta S = 4.82 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
			$\Delta H = 4490 \text{ J} \cdot \text{mol}^{-1}$
			$\Delta S = 14.38 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
			$\Delta H = 2054 \text{ J} \cdot \text{mol}^{-1}$
			$\Delta S = 5.74 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
			$\Delta H = 5454 \text{ J} \cdot \text{mol}^{-1}$
			$\Delta S = 13.64 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>C<sub>12</sub>H<sub>22</sub>O<sub>11</sub></b> (c)	81KAW/NIS	Solid-mesophase.	
Lactose; Milk sugar		liq/liq 471.6 K,	$\Delta H = 1971 \text{ J} \cdot \text{mol}^{-1}$
<b>Heat Capacity</b> 300 K, $C_p = 418 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			$\Delta S = 4.16 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 270 to 325 K. $C_p$ given as $1.22 \text{ J} \cdot \text{g}^{-1} \cdot \text{K}^{-1}$ at 300 K.		Mesophase-isotropic liquid.	
<b>Molecular Weight</b> 342.2992		<b>Molecular Weight</b> 403.6825	
Wiswesser Line Notation T6OTJ BQ CQ DQ F1Q EO- BT6OTJ CQ DQ		Wiswesser Line Notation OV11 .TL	
EQ F1Q -A&CE -B&BDF -A&BCE -B&DF		<b>Evaluation</b> A	
<b>Evaluation</b> B			
<b>C<sub>12</sub>H<sub>22</sub>O<sub>11</sub>·H<sub>2</sub>O</b> (c)	41AND/STE	<b>C<sub>12</sub>H<sub>24</sub></b> (liq)	57MCC/FIN2
$\alpha$ -Lactose monohydrate		1-Dodecene	
<b>Heat Capacity</b> 297.42 K, $C_p = 439.57 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K,	$C_p = 360.66 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 60 to 298 K. Value is unsmoothed experimental datum.		Temperature range 11 to 360 K.	
<b>Entropy</b> 298.15 K, $S = 414.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Entropy</b> 298.15 K,	$S = 484.80 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Extrapolation below 90 K, $101.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .		Does not include $S_0$ .	
<b>Molecular Weight</b> 360.3144		<b>Phase Changes</b>	
Wiswesser Line Notation T6OTJ BQ CQ DQ F1Q EO- BT6OTJ CQ DQ		c,II/c,I 212.9 K,	$\Delta H = 4552 \text{ J} \cdot \text{mol}^{-1}$
EQ F1Q -A&CE -B&BDF -A&BCE -B&DF &QH		c,I/liq 237.93 K,	$\Delta S = 21.38 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Evaluation</b> B( $C_p$ ),C(S)			$\Delta H = 19907 \text{ J} \cdot \text{mol}^{-1}$
			$\Delta S = 83.67 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>C<sub>12</sub>H<sub>22</sub>O<sub>11</sub>·H<sub>2</sub>O</b> (c)	41AND/STE	<b>Molecular Weight</b> 168.3216	
$\beta$ -Maltose monohydrate		Wiswesser Line Notation 11U1	
<b>Heat Capacity</b> 296.27 K, $C_p = 450.70 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Evaluation</b> A	
Temperature range 60 to 298 K. Value is unsmoothed experimental datum.			
<b>Entropy</b> 298.15 K, $S = 417.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>C<sub>12</sub>H<sub>24</sub>N<sub>2</sub>O<sub>2</sub></b> (c)	53WIL/DOL
Extrapolation below 90 K, $101.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .		N,N'-Di-n-propyladipamide	
<b>Molecular Weight</b> 360.3144		<b>Heat Capacity</b> 393 K,	$C_p = 468.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Wiswesser Line Notation T6OTJ BQ CQ DQ F1Q EO- BT6OTJ CQ DQ		Temperature range 393 to 583 K.	
EQ F1Q -A&CE -B&BDF -A&BCE -B&DF &QH		<b>Phase Changes</b>	
<b>Evaluation</b> B( $C_p$ ),C(S)		c/liq 452 K,	$\Delta H = 36110 \text{ J} \cdot \text{mol}^{-1}$
			$\Delta S = 79.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
		<b>Molecular Weight</b> 228.3338	
		Wiswesser Line Notation 3MV4VM3	
		<b>Evaluation</b> C	

$C_{12}H_{24}O_2$ (c)		1885STO/WIL	$C_{12}H_{26}$ (liq)	81GRO/ING
Dodecanoic acid; Lauric acid			n-Dodecane	
<b>Heat Capacity</b>	279 K,	$C_p = 381 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,
Temperature range 0 to 100 °C. Mean value 0 to 12 °C.			One temperature.	
<b>Phase Changes</b>			<b>Molecular Weight</b>	170.3374
c/liq	327 K,	$\Delta H = 44940 \text{ J}\cdot\text{mol}^{-1}$	<b>Wiswesser Line Notation</b>	12H
		$\Delta S = 137 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Evaluation</b>	B
<b>Molecular Weight</b>	200.3204		$C_{12}H_{26}$ (liq)	82ZAR
<b>Wiswesser Line Notation</b>	QV11		n-Dodecane	
<b>Evaluation</b>	D		<b>Heat Capacity</b>	298 K,
$C_{12}H_{24}O_2$ (c)		24GAR/RAN	Temperature range 298, 323, 363 K.	
Dodecanoic acid; Lauric acid			<b>Molecular Weight</b>	170.3374
<b>Heat Capacity</b>	301 K,	$C_p = 428.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Wiswesser Line Notation</b>	12H
Temperature range 18 to 78 °C. Mean value 19 to 39 °C.			<b>Evaluation</b>	B
<b>Phase Changes</b>			$C_{12}H_{26}$ (liq)	84GRO/BEN
c/liq	316.9 K,	$\Delta H = 36650 \text{ J}\cdot\text{mol}^{-1}$	n-Dodecane	
		$\Delta S = 115.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,
<b>Molecular Weight</b>	200.3204		One temperature.	
<b>Wiswesser Line Notation</b>	QV11		<b>Molecular Weight</b>	170.3374
<b>Evaluation</b>	B		<b>Wiswesser Line Notation</b>	12H
$C_{12}H_{24}O_2$ (c)		82SCH/MIL2	<b>Evaluation</b>	B
Dodecanoic acid; Lauric acid			$C_{12}H_{26}$ (liq)	84KUM/BEN
<b>Heat Capacity</b>	298.15 K,	$C_p = 404.28 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	n-Dodecane	
Temperature range 80 to 345 K.			<b>Heat Capacity</b>	298.15 K,
<b>Phase Changes</b>			One temperature.	
c, l/liq	316.98 K,	$\Delta H = 36295 \text{ J}\cdot\text{mol}^{-1}$	<b>Molecular Weight</b>	170.3374
		$\Delta S = 114.51 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Wiswesser Line Notation</b>	12H
<b>Molecular Weight</b>	200.3204		<b>Evaluation</b>	B
<b>Wiswesser Line Notation</b>	QV11		$C_{12}H_{26}$ (liq)	84ROU/GRC
<b>Evaluation</b>	B		n-Dodecane	
$C_{12}H_{26}$ (liq)		31HUF/PAR	<b>Heat Capacity</b>	298.15 K,
n-Dodecane			One temperature.	
<b>Heat Capacity</b>	297.7 K,	$C_p = 371.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Molecular Weight</b>	170.3374
Temperature range 93 to 298 K. Value is unsmoothed experimental datum.			<b>Wiswesser Line Notation</b>	12H
<b>Entropy</b>	298.1 K,	$S = 497.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Evaluation</b>	B
Extrapolation below 90 K, 105.1 $\text{J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ .			$C_{12}H_{26}$ (liq)	85COS/PAT
<b>Phase Changes</b>			n-Dodecane	
c/liq	263.5 K,	$\Delta H = 36581 \text{ J}\cdot\text{mol}^{-1}$	<b>Heat Capacity</b>	298.15 K,
		$\Delta S = 138.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	One temperature.	
<b>Molecular Weight</b>	170.3374		<b>Molecular Weight</b>	170.3374
<b>Wiswesser Line Notation</b>	12H		<b>Wiswesser Line Notation</b>	12H
<b>Evaluation</b>	B( $C_p$ ), C(S)		<b>Evaluation</b>	B
$C_{12}H_{26}$ (liq)		54FIN/GRO2	$C_{12}H_{26}$ (liq)	85LAI/ROI
n-Dodecane			n-Dodecane	
<b>Heat Capacity</b>	298.15 K,	$C_p = 375.93 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,
Temperature range 12 to 320 K.			One temperature.	
<b>Entropy</b>	298.15 K,	$S = 490.66 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Molecular Weight</b>	170.3374
<b>Phase Changes</b>			<b>Wiswesser Line Notation</b>	12H
c/liq	263.59 K,	$\Delta H = 36836 \text{ J}\cdot\text{mol}^{-1}$	<b>Evaluation</b>	B
		$\Delta S = 139.75 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	$C_{12}H_{26}$ (liq)	86BEN/DAI
<b>Molecular Weight</b>	170.3374		n-Dodecane	
<b>Wiswesser Line Notation</b>	12H		<b>Heat Capacity</b>	298.15 K,
<b>Evaluation</b>	A		One temperature.	
$C_{12}H_{26}$ (liq)		73KAL/WOY	<b>Molecular Weight</b>	170.3374
n-Dodecane			<b>Wiswesser Line Notation</b>	12H
<b>Heat Capacity</b>	298.15 K,	$C_p = 370.72 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Evaluation</b>	B
One temperature.			$C_{12}H_{26}$ (liq)	86BEN/DAI
<b>Molecular Weight</b>	170.3374		n-Dodecane	
<b>Wiswesser Line Notation</b>	12H		<b>Heat Capacity</b>	298.15 K,
<b>Evaluation</b>	A		One temperature.	

<b>C<sub>12</sub>H<sub>26</sub></b> (liq) n-Dodecane <b>Heat Capacity</b> 298.15 K, One temperature. <b>Molecular Weight</b> 170.3374 <b>Wiswesser Line Notation</b> 12H <b>Evaluation</b> B	86TAR/AIC $C_p = 376.00 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>C<sub>12</sub>H<sub>26</sub></b> (liq) 2,2,4,6,6-Pentamethylheptane <b>Heat Capacity</b> 298.15 K, One temperature. <b>Molecular Weight</b> 170.3374 <b>Wiswesser Line Notation</b> 1X1&1&1Y1&1X1&1&1 <b>Evaluation</b> A	88PER/AIC $C_p = 350.98 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>C<sub>12</sub>H<sub>26</sub></b> (liq) n-Dodecane <b>Heat Capacity</b> 298.15 K, One temperature. <b>Molecular Weight</b> 170.3374 <b>Wiswesser Line Notation</b> 12H <b>Evaluation</b> B	86WIL/LAI $C_p = 373.30 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>C<sub>12</sub>H<sub>26</sub>O</b> (liq) 1-Dodecanol; n-Dodecyl alcohol <b>Heat Capacity</b> 316 K, Temperature range 316 to 486 K. <b>Phase Changes</b> liq/g 343.15 K, No pressure measurement. <b>Molecular Weight</b> 186.3368 <b>Wiswesser Line Notation</b> Q12 <b>Evaluation</b> B	79SVE $C_p = 462 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ $\Delta H = 84760 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 246.74 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>C<sub>12</sub>H<sub>26</sub></b> (liq) n-Dodecane <b>Heat Capacity</b> 298.15 K, One temperature. <b>Molecular Weight</b> 170.3374 <b>Wiswesser Line Notation</b> 12H <b>Evaluation</b> B	88AND/PAT $C_p = 376.46 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>C<sub>12</sub>H<sub>26</sub>O</b> (liq) 1-Dodecanol; n-Dodecyl alcohol <b>Heat Capacity</b> 298.15 K, One temperature. <b>Molecular Weight</b> 186.3368 <b>Wiswesser Line Notation</b> Q12 <b>Evaluation</b> B	88AND/PAT $C_p = 438.42 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>C<sub>12</sub>H<sub>26</sub></b> (liq) n-Dodecane <b>Heat Capacity</b> 298.15 K, One temperature. <b>Molecular Weight</b> 170.3374 <b>Wiswesser Line Notation</b> 12H <b>Evaluation</b> B	88COS/HUU $C_p = 376.09 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>C<sub>12</sub>H<sub>26</sub>O</b> (liq) 1-Dodecanol; n-Dodecyl alcohol <b>Heat Capacity</b> 303.15 K, Temperature range 303 to 533 K. <b>Molecular Weight</b> 186.3368 <b>Wiswesser Line Notation</b> Q12 <b>Evaluation</b> B	89KHA/ZYK $C_p = 439.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>C<sub>12</sub>H<sub>26</sub></b> (liq) n-Dodecane <b>Heat Capacity</b> 298.15 K, One temperature. <b>Molecular Weight</b> 170.3374 <b>Wiswesser Line Notation</b> 12H <b>Evaluation</b> A	88PER/AIC $C_p = 376.00 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>C<sub>12</sub>H<sub>26</sub>O<sub>5</sub></b> (liq) Tetrapropylene glycol <b>Heat Capacity</b> 298 K, Temperature range 298, 323, 363 K. <b>Molecular Weight</b> 250.3344 <b>Wiswesser Line Notation</b> QYOYOYOQ <b>Evaluation</b> B	82ZAR $C_p = 560.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>C<sub>12</sub>H<sub>26</sub></b> (liq) n-Dodecane <b>Heat Capacity</b> 298.15 K, One temperature. <b>Molecular Weight</b> 170.3374 <b>Wiswesser Line Notation</b> 12H <b>Evaluation</b> B	89LAI/ROD $C_p = 372.12 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>C<sub>12</sub>H<sub>26</sub>O<sub>7</sub></b> (liq) Hexaethylene glycol <b>Heat Capacity</b> 298 K, Temperature range 298, 323, 363 K. <b>Molecular Weight</b> 282.3352 <b>Wiswesser Line Notation</b> Q2O2O2O2O2O2Q <b>Evaluation</b> B	82ZAR $C_p = 620.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>C<sub>12</sub>H<sub>26</sub></b> (liq) n-Dodecane <b>Heat Capacity</b> 298.15 K, One temperature. <b>Molecular Weight</b> 170.3374 <b>Wiswesser Line Notation</b> 12H <b>Evaluation</b> B	91TRE/COS $C_p = 376.00 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>C<sub>12</sub>H<sub>26</sub>S</b> (liq) 1-Dodecanethiol; n-Dodecyl mercaptan <b>Heat Capacity</b> 300 K, Temperature range 273 to 373 K. $C_p = 442.81 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ $C_p = 423.01 + 3.878 \times 10^{-2} T + 9.070 \times 10^{-5} T^2$ <b>Molecular Weight</b> 202.3974 <b>Wiswesser Line Notation</b> SH12 <b>Evaluation</b> B	82TUT/GAB $C_p = 423.01 + 3.878 \times 10^{-2} T + 9.070 \times 10^{-5} T^2$
<b>C<sub>12</sub>H<sub>26</sub></b> (liq) 2,2,4,6,6-Pentamethylheptane <b>Heat Capacity</b> 298.15 K, One temperature. <b>Molecular Weight</b> 170.3374 <b>Wiswesser Line Notation</b> 1X1&1&1Y1&1X1&1&1 <b>Evaluation</b> B	88COS/HUU $C_p = 350.98 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		

<b>C<sub>12</sub>H<sub>27</sub>O<sub>4</sub>P</b> (liq)		81NAZ/RUD	<b>C<sub>12</sub>H<sub>30</sub>O<sub>3</sub>Si<sub>3</sub></b> (liq)		84LEB/KUL
Tri-n-butylphosphate			1,1,3,3,5,5,-Hexaethylcyclotrisiloxane		
<b>Heat Capacity</b>	298.15 K,	$C_p = 379.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p = 535.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 283 to 423 K. $C_p$ given as 1.404 J·g <sup>-1</sup> ·K <sup>-1</sup> at 20 °C and 1.445 J·g <sup>-1</sup> ·K <sup>-1</sup> at 30 °C.			Temperature range 13 to 300 K.		
<b>Molecular Weight</b>	266.3167		<b>Entropy</b>	298.15 K,	$S = 671.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b> OPO4&O4&O4			<b>Phase Changes</b>		
<b>Evaluation</b>	B		c,III/c,II	140–168 K,	$\Delta H = 470 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 2.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>C<sub>12</sub>H<sub>28</sub>ClN</b> (c)		88VAN/WHI	Glassy transition.		
Di-n-hexylammonium chloride			c,II/c,I	242.3 K,	$\Delta H = 11700 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 48.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Heat Capacity</b>	300.92 K,	$C_p = 408.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	c,I/liq	283.24 K,	$\Delta H = 11940 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 42.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 25 to 350 K. Unsmoothed experimental datum.			<b>Molecular Weight</b>	306.6237	
<b>Phase Changes</b>			<b>Wiswesser Line Notation</b> T6-SI-O-SI-O-SI-OTJ A2 A2 C2 C2 E2 F2		
c,III/c,II	115.25 K,	$\Delta H = 908 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 7.89 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Evaluation</b>	A	
c,II/c,I	279.39 K,	$\Delta H = 15950 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 57.38 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
<b>Molecular Weight</b>	221.8129		<b>C<sub>12</sub>H<sub>30</sub>O<sub>3</sub>Si<sub>3</sub></b> (liq)		85DZH/KUL
<b>Wiswesser Line Notation</b> 6M6 &GH			1,1,3,3,5,5-Hexaethylcyclotrisiloxane		
<b>Evaluation</b>	A		<b>Heat Capacity</b>	298.15 K,	$C_p = 581.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
			Temperature range 5 to 300 K.		
<b>C<sub>12</sub>H<sub>28</sub>IN</b> (c)		73JOH/MAR	<b>Entropy</b>	298.15 K,	$S = 680.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Tetra-n-propylammonium iodide			<b>Phase Changes</b>		
<b>Heat Capacity</b>	298.15 K,	$C_p = 349.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	c,III/c,II	160 K,	$\Delta H = 462 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 2.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 12 to 310 K.			c,II/c,I	242.3 K,	$\Delta H = 11824 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 48.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Entropy</b>	298.15 K,	$S = 432.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	c,I/liq	280.2 K,	$\Delta H = 11424 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 40.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Phase Changes</b>			<b>Molecular Weight</b>	306.6237	
c,II/c,I	218.3 K,	$\Delta H = 1350 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 6.19 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Wiswesser Line Notation</b> T6-SI-O-SI-O-SI-OTJ A2 A2 C2 C2 E2 F2		
<b>Molecular Weight</b>	313.2644		<b>Evaluation</b>	A	
<b>Wiswesser Line Notation</b> 3 K3&3&3 &I			<b>C<sub>12</sub>H<sub>30</sub>O<sub>3</sub>Si<sub>3</sub></b> (liq)		88LEB/KUL
<b>Evaluation</b>	A		1,1,3,3,5,5-Hexaethylcyclotrisiloxane		
<b>C<sub>12</sub>H<sub>28</sub>O<sub>4</sub>Si</b> (liq)		85NKI/CHA	<b>Heat Capacity</b>	300 K,	$C_p = 536.53 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Tetrapropyl silicate; Propyl silicate			Temperature range 13.4 to 350 K.		
<b>Heat Capacity</b>	298.15 K,	$C_p = 460.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Entropy</b>	300 K,	$S = 674.71 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
One temperature.			<b>Phase Changes</b>		
<b>Molecular Weight</b>	264.4363		c,III/c,II	140–168 K,	$\Delta H = 470.0 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 2.08 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b> 3O-SI-O3&O3&O3			c,II/c,I	242.4 K,	$\Delta H = 11730.8 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 48.39 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Evaluation</b>	B		c,I/liq	283.41 K,	$\Delta H = 11940.3 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 42.07 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>C<sub>12</sub>H<sub>30</sub>OSi<sub>2</sub></b> (liq)		86DZH/KUL	<b>Molecular Weight</b>	306.6237	
Hexaethyldisiloxane			<b>Wiswesser Line Notation</b> T6-SI-O-SI-O-SI-OTJ A2 A2 C2 C2 E2 F2		
<b>Heat Capacity</b>	298.15 K,	$C_p = 460 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Evaluation</b>	A	
Temperature range 4 to 300 K. $C_p(C) = 51.15 + 1.42441^{-1.1} \times 10^{-1} T^2$ (80 to 170 K); $C_p(\text{liq}) = 282.22 + 0.626T - 1.05 \times 10^{-1} T^2$ (200 to 300 K).			<b>C<sub>12</sub>H<sub>30</sub>ClCr<sub>3</sub>O<sub>22</sub></b> (c)		71SOR/TAC
<b>Entropy</b>	298.15 K,	$S = 622.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Triaquo hexacetate chromate chloride hexahydrate		
<b>Phase Changes</b>			<b>Heat Capacity</b>	278.084 K,	$C_p = 958.02 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c/liq	199.57 K,	$\Delta H = 21400 \text{ J} \cdot \text{mol}^{-1}$	Temperature range 1.5 to 280 K. Value is unsmoothed experimental datum.		
<b>Molecular Weight</b>	246.5394		<b>Phase Changes</b>		
<b>Wiswesser Line Notation</b> 2-SI-2&2&O-SI-2&2&2			c,II/c,I	211.4 K,	$\Delta H = 3322 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 13.778 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Evaluation</b>	A				
<b>C<sub>12</sub>H<sub>30</sub>O<sub>3</sub>Si<sub>3</sub></b> (liq)		82KUL/LEB	Two peaks were observed: at 211.4 K and 215.5 K, $\Delta H$ and $\Delta S$ give for overall transition.		
1,1,3,3,5,5-Hexaethylcyclotrisiloxane			<b>Molecular Weight</b>	723.8442	
<b>Heat Capacity</b>	298.15 K,	$C_p = 535.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Wiswesser Line Notation</b> CR3 O & QH 3 & OV1 6 &G &QH 6		
Temperature range 14 to 330 K.			<b>Evaluation</b>	A	
<b>Entropy</b>	298.15 K,	$S = 674.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>C<sub>12</sub>H<sub>30</sub>ClCr<sub>3</sub>O<sub>22</sub></b> (c)		71SOR/TAC
<b>Phase Changes</b>			Triaquo hexacetate chromate chloride hexahydrate		
c,III/c,II	130 K,	$\Delta H = 470 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 3.61 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	278.084 K,	$C_p = 958.02 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Glassy transition.			Temperature range 1.5 to 280 K. Value is unsmoothed experimental datum.		
c,II/c,I	242.3 K,	$\Delta H = 11730 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 48.41 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Phase Changes</b>		
c,I/liq	283.41 K,	$\Delta H = 11940 \text{ J} \cdot \text{mol}^{-1}$	c,II/c,I	211.4 K,	$\Delta H = 3322 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 13.778 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	306.6237				
<b>Wiswesser Line Notation</b> T6-SI-O-SI-O-SI-OTJ A2 A2 C2 C2 E2 F2					
<b>Evaluation</b>	A				

$C_{12}H_{54}Cr_4N_{12}O_{18}S_3 \cdot 10H_2O$ (c)	72SOR/SEK	$C_{13}H_9N$ (c)	88STE/CHI
Hexahydroxyhexaethylenediamine chromium sulfate decahydrate		7,8-Benzquinoline	
<b>Heat Capacity</b> 197.459 K, $C_p = 1001.82 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K, $C_p = 206.36 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 1.4 to 200 K. Unsmoothed experimental datum.		Temperature range 5 to 500 K.	
<b>Molecular Weight</b> 1138.9442		<b>Entropy</b> 298.15 K, $S = 213.20 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Wiswesser Line Notation CR 4 & Q 6 & ZZZ 6 & S-O4*3 & QH 10		<b>Phase Changes</b>	
Evaluation A		c/liq 324.104 K, $\Delta H = 14103 \text{ J}\cdot\text{mol}^{-1}$	
		$\Delta S = 43.51 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
$C_{13}H_8Cl_2O$ (c)	87ECO/BER	<b>Molecular Weight</b> 179.2208	
p-Dichlorobenzophenone		Wiswesser Line Notation T B666 CNJ	
<b>Heat Capacity</b>		Evaluation A	
Temperature range 175 to 205 K. Data given graphically.			
<b>Phase Changes</b>		$C_{13}H_9N$ (c)	89STE/CHI
c,II/c,II 186.1 K, $\Delta H = 146 \text{ J}\cdot\text{mol}^{-1}$		7,8-Benzquinoline	
c,II/c,I 189.5 K, $\Delta H = 251 \text{ J}\cdot\text{mol}^{-1}$		<b>Heat Capacity</b> 298.15 K, $C_p = 206.36 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Molecular Weight</b> 251.1116		Temperature range 5 to 500 K.	
Wiswesser Line Notation GR DVR DG		<b>Entropy</b> 298.15 K, $S = 213.20 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Evaluation B		<b>Phase Changes</b>	
		c/liq 324.104 K, $\Delta H = 14103 \text{ J}\cdot\text{mol}^{-1}$	
		$\Delta S = 43.51 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
$C_{13}H_8N_8O_{15}$ (c)	24TAY/RIN	<b>Molecular Weight</b> 179.2208	
Tetryl-picric acid complex		Wiswesser Line Notation T B666 CNJ	
<b>Heat Capacity</b> 293 K, $C_p = 433.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		Evaluation A	
Temperature range 90 to 352 K.		$C_{13}H_9N$ (c)	86STE/CHI
<b>Molecular Weight</b> 516.2508		Phenanthridine	
Wiswesser Line Notation WNN1&R BNW DNW FNW &WNR BQ		<b>Heat Capacity</b> 298.15 K, $C_p = 201.79 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
CNW ENW		Temperature range 6 to 450 K.	
Evaluation C		<b>Entropy</b> 298.15 K, $S = 205.87 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Phase Changes</b>		<b>Phase Changes</b>	
c,II/c,I 354.16 K		c,II/c,I 354.0 K, $\Delta H = 20.79 \text{ J}\cdot\text{mol}^{-1}$	
c,I/liq 379.742 K		c,I/liq 379.74 K, $\Delta S = 0.059 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Molecular Weight</b> 196.2050		Extrapolated value	
Wiswesser Line Notation T C666 BV IOJ		c,II/liq 379.74 K, $\Delta H = 22831 \text{ J}\cdot\text{mol}^{-1}$	
Evaluation A		$\Delta S = 60.12 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
$C_{13}H_8OS$ (c)	92SAB/ELW5	<b>Molecular Weight</b> 179.2208	
Thioxanthone		Wiswesser Line Notation T B666 HNJ	
<b>Phase Changes</b>		Evaluation A	
c/liq 487.88 K, $\Delta H = 35500 \text{ J}\cdot\text{mol}^{-1}$		$C_{13}H_9N$ (c)	88STE/CHI
<b>Molecular Weight</b> 212.2656		Phenanthridine	
Wiswesser Line Notation T C666 BS IVJ		<b>Heat Capacity</b> 298.15 K, $C_p = 201.87 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Evaluation A		Temperature range 5 to 500 K.	
<b>Phase Changes</b>		<b>Entropy</b> 298.15 K, $S = 205.91 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
c/liq 475 K, $\Delta H = 36800 \text{ J}\cdot\text{mol}^{-1}$		<b>Phase Changes</b>	
$\Delta S = 77 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		c,II/c,I 354.0 K, $\Delta H = 20.79 \text{ J}\cdot\text{mol}^{-1}$	
<b>Molecular Weight</b> 282.2215		c,I/liq 379.74 K, $\Delta S = 0.059 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Wiswesser Line Notation T6TJ CVQ BMR CXFFF		Extrapolated value	
Evaluation A		c,II/liq 379.74 K, $\Delta H = 22831 \text{ J}\cdot\text{mol}^{-1}$	
		$\Delta S = 60.12 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
$C_{13}H_9F_3N_2O_2$ (c)	89PIN/GON	<b>Molecular Weight</b> 179.2208	
2-[3-(trifluoromethyl)-phenyl]amino-3-pyridinecarboxylic acid: Niflumic acid		Wiswesser Line Notation T B666 HNJ	
<b>Heat Capacity</b> 298.15 K, $C_p = 288.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		Evaluation A	
Temperature range 100 to 500 K. $C_p(c) = 0.9T + 20 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ (140 to 465 K). $C_p$ value calculated from the equation.		$C_{13}H_9N$ (c)	89STE/CHI
<b>Phase Changes</b>		Phenanthridine	
c/liq 475 K, $\Delta H = 36800 \text{ J}\cdot\text{mol}^{-1}$		<b>Heat Capacity</b> 298.15 K, $C_p = 201.87 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
$\Delta S = 77 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		Temperature range 5 to 500 K.	
<b>Molecular Weight</b> 282.2215		<b>Entropy</b> 298.15 K, $S = 205.91 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Wiswesser Line Notation T6TJ CVQ BMR CXFFF		<b>Phase Changes</b>	
Evaluation A		c,II/c,I 354.0 K, $\Delta H = 20.79 \text{ J}\cdot\text{mol}^{-1}$	
		c,I/liq 379.74 K, $\Delta S = 0.059 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
		Extrapolated value	
		c,II/liq 379.74 K, $\Delta H = 22831 \text{ J}\cdot\text{mol}^{-1}$	
		$\Delta S = 60.12 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
		<b>Molecular Weight</b> 179.2208	
		Wiswesser Line Notation T B666 HNJ	
		Evaluation A	

<b>C<sub>13</sub>H<sub>9</sub>N</b> (c)		86STE/CHI	<b>C<sub>13</sub>H<sub>10</sub>N<sub>2</sub></b> (liq)		84LEB/BYK
Acridine			Diphenylcarbodiimide		
<b>Heat Capacity</b>	298.15 K, Temperature range 6 to 450 K.	$C_p=204.98 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K, Temperature range 13.8 to 330 K.	$C_p=304.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Entropy</b>	298.15 K,	$S=208.00 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Entropy</b>	298.15 K,	$S=330.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Phase Changes</b>			<b>Phase Changes</b>		
c/liq	383.243 K		c/liq	287.41 K,	$\Delta H=18550 \text{ J}\cdot\text{mol}^{-1}$
<b>Molecular Weight</b>	179.2208				$\Delta S=64.54 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Wiswesser Line Notation</b>	T C666 BNJ				
<b>Evaluation</b>	A				
<b>C<sub>13</sub>H<sub>9</sub>N</b> (c)		88STE/CHI	<b>C<sub>13</sub>H<sub>10</sub>O</b> (c)		1889EYF
Acridine			Benzophenone		
<b>Heat Capacity</b>	298.15 K, Temperature range 5 to 500 K.	$C_p=205.07 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Phase Changes</b>		
<b>Entropy</b>	298.15 K,	$S=208.03 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	c/liq	321.2 K,	$\Delta H=17669 \text{ J}\cdot\text{mol}^{-1}$
<b>Phase Changes</b>					$\Delta S=55.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c/liq	383.242 K,	$\Delta H=20682 \text{ J}\cdot\text{mol}^{-1}$			
		$\Delta S=53.97 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
<b>Molecular Weight</b>	179.2208				
<b>Wiswesser Line Notation</b>	T C666 BNJ				
<b>Evaluation</b>	A				
<b>C<sub>13</sub>H<sub>9</sub>N</b> (c)		89STE/CHI	<b>C<sub>13</sub>H<sub>10</sub>O</b> (c)		83DEK/VAN
Acridine			Benzophenone		
<b>Heat Capacity</b>	298.15 K, Temperature range 5 to 500 K.	$C_p=205.07 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	300 K,	$C_p=224.80 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Entropy</b>	298.15 K,	$S=208.03 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Phase Changes</b>		
<b>Phase Changes</b>			c/liq	321.03 K,	$\Delta H=18194 \text{ J}\cdot\text{mol}^{-1}$
c/liq	383.242 K,	$\Delta H=20682 \text{ J}\cdot\text{mol}^{-1}$			$\Delta S=56.67 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
		$\Delta S=53.97 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
<b>Molecular Weight</b>	179.2208				
<b>Wiswesser Line Notation</b>	T C666 BNJ				
<b>Evaluation</b>	A				
<b>C<sub>13</sub>H<sub>10</sub></b> (c)		44EIB	<b>C<sub>13</sub>H<sub>10</sub>O<sub>3</sub></b> (c)		58SIN/HI
Fluorene; Diphenylenemethane			Diphenyl carbonate		
<b>Heat Capacity</b>	298.1 K,	$C_p=189.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p=263.13 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
	Temperature range 25 to 200 °C, equations only, in °C. $C_p(c) = 0.2479 + 0.001233 \text{ cal}\cdot\text{g}^{-1}\cdot\text{C}^{-1}$ (25 to 70 °C); $C_p(\text{liq}) = 0.320 + 0.00845 \text{ cal}\cdot\text{g}^{-1}\cdot\text{C}^{-1}$ (114 to 200 °C).		Temperature range 15 to 310 K.		
<b>Phase Changes</b>			<b>Entropy</b>	298.15 K,	$S=278.40 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c/liq	387.0 K,	$\Delta H=19870 \text{ J}\cdot\text{mol}^{-1}$	<b>Molecular Weight</b>	214.2202	
		$\Delta S=51.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Wiswesser Line Notation</b>	ROVOR	
<b>Molecular Weight</b>	166.2220		<b>Evaluation</b>	A	
<b>Wiswesser Line Notation</b>	L B656 HHJ				
<b>Evaluation</b>	C				
<b>C<sub>13</sub>H<sub>10</sub></b> (c,I)		77FIN/MES	<b>C<sub>13</sub>H<sub>11</sub>Cl</b> (liq)		31SMI/ANI
Fluorene; Diphenylenemethane			Diphenylchloromethane		
<b>Heat Capacity</b>	298.15 K, Temperature range 10 to 440 K.	$C_p=203.13 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298.5 K,	$C_p=290.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Entropy</b>	298.15 K,	$S=207.32 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	Temperature range 102 to 311 K. Value is unsmoothed experimental datum.		
<b>Phase Changes</b>			<b>Molecular Weight</b>	202.6829	
c,II/c,I	288 K Second order transition.		<b>Wiswesser Line Notation</b>	GYR&R	
c,II/liq	387.94 K,	$\Delta H=19578.2 \text{ J}\cdot\text{mol}^{-1}$	<b>Evaluation</b>	C	
		$\Delta S=50.47 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
<b>Molecular Weight</b>	166.2220				
<b>Wiswesser Line Notation</b>	L B656 HHJ				
<b>Evaluation</b>	A				
<b>C<sub>13</sub>H<sub>11</sub>N</b> (c)		86STE/CH	<b>C<sub>13</sub>H<sub>11</sub>N</b> (c)		86STE/CH
N-Methylcarbazole			<b>Heat Capacity</b>	298.15 K, Temperature range 10 to 400 K.	$C_p=217.84 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Heat Capacity</b>	298.15 K, Temperature range 10 to 400 K.		<b>Entropy</b>	298.15 K,	$S=234.30 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Entropy</b>	298.15 K,		<b>Phase Changes</b>		
			c/liq	362.490 K	
<b>Molecular Weight</b>	181.2366		<b>Molecular Weight</b>	181.2366	
<b>Wiswesser Line Notation</b>	T B656 HNJ H1		<b>Wiswesser Line Notation</b>	T B656 HNJ H1	
<b>Evaluation</b>	A		<b>Evaluation</b>	A	

<b>C<sub>13</sub>H<sub>11</sub>N (c)</b>		87MES/TOD	<b>C<sub>13</sub>H<sub>12</sub> (c)</b>		30HUF/PAR
N-Methylcarbazole			Diphenylmethane		
<b>Heat Capacity</b>	298.15 K, Temperature range 10 to 400 K.	$C_p = 217.84 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	282.5 K, Temperature range 89 to 312 K. Value is unsmoothed experimental datum.	$C_p = 223.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Entropy</b>	298.15 K,	$S = 234.30 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Entropy</b>	298.1 K, Extrapolation below 90 K, 77.86 J·mol <sup>-1</sup> ·K <sup>-1</sup> .	$S = 239.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Phase Changes</b>	c/liq	362.490 K, $\Delta H = 17153.8 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 47.32 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Phase Changes</b>	c/liq	298.3 K, $\Delta H = 18569 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 62.25 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b>	181.2366		<b>Molecular Weight</b>	168.2378	
<b>Wiswesser Line Notation</b>	T B656 HNJ H1		<b>Wiswesser Line Notation</b>	R1R	
<b>Evaluation</b>	A		<b>Evaluation</b>	B(C <sub>p</sub> ),C(S)	
<b>C<sub>13</sub>H<sub>11</sub>N (c)</b>		88MES/TOD	<b>C<sub>13</sub>H<sub>12</sub> (c)</b>		31SMI/AND
N-Methylcarbazole			Diphenylmethane		
<b>Heat Capacity</b>	298.150 K, Temperature range 10 to 400 K.	$C_p = 217.838 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298.5 K, Temperature range 102 to 322 K. Value is unsmoothed experimental datum.	$C_p = 233.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Entropy</b>	298.150 K,	$S = 234.300 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Molecular Weight</b>	168.2378	
<b>Phase Changes</b>	c/liq	362.490 K, $\Delta H = 17153.71 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 47.32 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Wiswesser Line Notation</b>	R1R	
<b>Molecular Weight</b>	181.2366		<b>Evaluation</b>	C	
<b>Wiswesser Line Notation</b>	T B656 HNJ H1		<b>C<sub>13</sub>H<sub>12</sub> (c)</b>		50KUR
<b>Evaluation</b>	A		Diphenylmethane		
<b>C<sub>13</sub>H<sub>11</sub>N (c)</b>		90JIM/ROU	<b>Heat Capacity</b>	300 K, Temperature range 29 to 254 °C.	$C_p = 279.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
N-Methylcarbazole			<b>Molecular Weight</b>	168.2378	
<b>Heat Capacity</b>	298.15 K, One temperature.	$C_p = 204.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Wiswesser Line Notation</b>	R1R	
<b>Molecular Weight</b>	181.2366		<b>Evaluation</b>	B	
<b>Wiswesser Line Notation</b>	T B656 HNJ H1		<b>C<sub>13</sub>H<sub>12</sub> (c)</b>		56DUF/EVE
<b>Evaluation</b>	A		Diphenylmethane		
<b>C<sub>13</sub>H<sub>11</sub>N (c)</b>		92CAL/MCD	<b>Heat Capacity</b>	303 K, Temperature range 303 to 353 K.	$C_p = 266.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
N-Methylcarbazole			<b>Molecular Weight</b>	168.2378	
<b>Heat Capacity</b>	298.15 K, Temperature range 4 to 345 K.	$C_p = 218.42 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Wiswesser Line Notation</b>	R1R	
<b>Entropy</b>	298.15 K,	$S = 236.05 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Evaluation</b>	B	
<b>Molecular Weight</b>	181.2366		<b>C<sub>13</sub>H<sub>12</sub> (c)</b>		86CHI/ANN
<b>Wiswesser Line Notation</b>	T B656 HNJ H1		Diphenylmethane		
<b>Evaluation</b>	A		<b>Phase Changes</b>		
<b>C<sub>13</sub>H<sub>11</sub>NO (c)</b>		92SAB/ELW3	c/liq	$\Delta H = 19246 \text{ J}\cdot\text{mol}^{-1}$	
Benzanilide			c/g	$\Delta H = 83262 \text{ J}\cdot\text{mol}^{-1}$	
<b>Phase Changes</b>			<b>Molecular Weight</b>	168.2378	
c/liq	436.49 K,	$\Delta H = 29610 \text{ J}\cdot\text{mol}^{-1}$	<b>Wiswesser Line Notation</b>	R1R	
<b>Molecular Weight</b>	197.2360		<b>Evaluation</b>	A	
<b>Wiswesser Line Notation</b>	RMVR		<b>C<sub>13</sub>H<sub>12</sub>D<sub>10</sub>FeN<sub>6</sub>S<sub>3</sub> (c)</b>		86SOR/SII
<b>Evaluation</b>	A		Ferrocene d <sub>10</sub> thiourea clathrate (1:3)		
<b>C<sub>13</sub>H<sub>12</sub> (c)</b>		1889EYK	<b>Heat Capacity</b>	300 K, Temperature range 13 to 300 K. Data given graphically. Value given is an estimate from graph.	$C_p = 510 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Diphenylmethane			<b>Phase Changes</b>		
<b>Phase Changes</b>			c,VI/c,V	$\Delta H = 57 \text{ J}\cdot\text{mol}^{-1}$	
c/liq	299.4 K,	$\Delta H = 19050 \text{ J}\cdot\text{mol}^{-1}$	c,V/c,IV	$\Delta S = 0.39 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Molecular Weight</b>	168.2378		c,IV/c,III	$\Delta H = 1762 \text{ J}\cdot\text{mol}^{-1}$	
<b>Wiswesser Line Notation</b>	R1R		c,III/c,II	$\Delta S = 10.62 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Evaluation</b>	C		c,II/c,I	$\Delta H = 11 \text{ J}\cdot\text{mol}^{-1}$	
				$\Delta S = 0.07 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
				$\Delta H = 31 \text{ J}\cdot\text{mol}^{-1}$	
				$\Delta S = 0.17 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
				$\Delta H = 57 \text{ J}\cdot\text{mol}^{-1}$	
				$\Delta S = 0.27 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Molecular Weight</b>	424.4630		<b>Molecular Weight</b>	424.4630	
<b>Wiswesser Line Notation</b>	L5φJ & 1A-E/H-2 5 φ-FE- φL5φJ & 1A-E/H-2 5 & ZYZUS 3		<b>Wiswesser Line Notation</b>	L5φJ & 1A-E/H-2 5 φ-FE- φL5φJ & 1A-E/H-2 5 & ZYZUS 3	
<b>Evaluation</b>	A		<b>Evaluation</b>	A	

<b>C<sub>13</sub>H<sub>12</sub>N<sub>2</sub>O</b> (c)		87FER/DEL	<b>C<sub>13</sub>H<sub>14</sub>N<sub>2</sub></b> (c)		87LES/LIC
1,3-Diphenylurea			Bis(4-aminophenyl)methane		
<b>Phase Changes</b>			<b>Heat Capacity</b>	298 K,	
c/liq	512.1 K,	$\Delta H = 34620 \text{ J}\cdot\text{mol}^{-1}$	Temperature range 250 to 400 K.		$C_p = 270.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b>	212.2506	$\Delta S = 66.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Phase Changes</b>		
<b>Wiswesser Line Notation</b>	RNVNR		c/liq	366 K	
<b>Evaluation</b>	A		<b>Molecular Weight</b>	198.2670	
			<b>Wiswesser Line Notation</b>	ZR D1R DZ	
			<b>Evaluation</b>	B	
<b>C<sub>13</sub>H<sub>12</sub>O</b> (c)		31SMI/AND	<b>C<sub>13</sub>H<sub>14</sub>N<sub>2</sub>O<sub>2</sub></b> (c)		86KAR/BAJ
Benzhydrol; Diphenylcarbinol			3,3'-Methylene bis(6-aminophenol)		
<b>Heat Capacity</b>	298.5 K,	$C_p = 236.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p = 281.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 102 to 299 K. Value is unsmoothed experimental datum.			Temperature range 5 to 470 K.		
<b>Molecular Weight</b>	184.2372		<b>Entropy</b>	298.15 K,	$S = 284.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Wiswesser Line Notation</b>	QYR&R		<b>Molecular Weight</b>	230.2658	
<b>Evaluation</b>	C		<b>Wiswesser Line Notation</b>	ZR BQ D1R CQ DZ	
			<b>Evaluation</b>	A	
<b>C<sub>13</sub>H<sub>12</sub>O</b> (c)		74CIN/BER	<b>C<sub>13</sub>H<sub>15</sub>N</b> (c)		92STE/CE
Benzhydrol; Diphenylcarbinol			1,2,3,4-Tetrahydro-9-methylcarbazole		
<b>Phase Changes</b>			<b>Heat Capacity</b>	298.15 K,	$C_p = 241.35 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c/liq	338.5 K,	$\Delta H = 22995 \text{ J}\cdot\text{mol}^{-1}$	Temperature range 5 to 460 K. $C_p(\text{liq}, 298.15 \text{ K}) = 290.62 \text{ J/K}\cdot\text{mol}$		
<b>Molecular Weight</b>	184.2372	$\Delta S = 67.95 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	$C_p$ value for the liquid at 298.15 K was calculated with graphically extrapolated data.		
<b>Wiswesser Line Notation</b>	QYR&R		<b>Entropy</b>	298.15 K,	$S = 260.89 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Evaluation</b>	B		$S(\text{liq}, 298.15 \text{ K}) = 302.61 \text{ J/K}\cdot\text{mol}$ . S value for the liquid at 298.15 K was calculated with graphically extrapolated data.		
			<b>Phase Changes</b>		
 			c,IV/c,III	103.8 K,	$\Delta H = 0.0 \text{ J}\cdot\text{mol}^{-1}$
<b>C<sub>13</sub>H<sub>13</sub>N</b> (liq)		1881REI	c,III/c,II	162.4 K,	$\Delta H = 679.3 \text{ J}\cdot\text{mol}^{-1}$
Methyldiphenylamine			c,II/c,I	210.4 K,	$\Delta H = 0.0 \text{ J}\cdot\text{mol}^{-1}$
<b>Heat Capacity</b>	298 K,	$C_p = 301.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	c,I/liq	323.71 K,	$\Delta H = 14666.8 \text{ J}\cdot\text{mol}^{-1}$
Temperature range 293 to 467 K.			<b>Molecular Weight</b>	185.2682	
<b>Molecular Weight</b>	183.2524		<b>Wiswesser Line Notation</b>	T B656 HNT&&J H1	
<b>Wiswesser Line Notation</b>	1NR&R		<b>Evaluation</b>	A	
<b>Evaluation</b>	D				
<b>C<sub>13</sub>H<sub>14</sub>N<sub>2</sub></b> (c)		66ZAL/STR	<b>C<sub>13</sub>H<sub>15</sub>N</b> (c,I)		92STE/CHI
Bis(4-aminophenyl)methane			1,2,3,4-Tetrahydro-9-methylcarbazole		
<b>Heat Capacity</b>	388 K,	$C_p = 227.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p = 241.35 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 110 to 120 °C, mean value.			Temperature range 5 to 660 K. $C_p(\text{liq}, 298.15 \text{ K}) = 290.62 \text{ J/K}\cdot\text{mol}$		
<b>Phase Changes</b>			<b>Entropy</b>	298.15 K,	$S = 260.89 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c/liq	366 K		$S(\text{liq}, 298.15 \text{ K}) = 302.61 \text{ J/K}\cdot\text{mol}$ , extrapolated.		
<b>Molecular Weight</b>	198.2670		<b>Phase Changes</b>		
<b>Wiswesser Line Notation</b>	ZR D1R DZ		c,IV/c,III	103.8 K,	$\Delta H = 0.0 \text{ J}\cdot\text{mol}^{-1}$
<b>Evaluation</b>	D		c,III/c,II	162.4 K,	$\Delta H = 679.3 \text{ J}\cdot\text{mol}^{-1}$
 			c,II/c,I	210.4 K,	$\Delta H = 0.0 \text{ J}\cdot\text{mol}^{-1}$
<b>C<sub>13</sub>H<sub>14</sub>N<sub>2</sub></b> (c)		78MAR/CIO	c,I/liq	323.71 K,	$\Delta H = 14667 \text{ J}\cdot\text{mol}^{-1}$
Bis(4-aminophenyl)methane			<b>Molecular Weight</b>	185.2682	
<b>Heat Capacity</b>	298 K,	$C_p = 66.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Wiswesser Line Notation</b>	T B656 HNT&&J H1	
Temperature range 298 to 469 K. Data seem odd; values for solid increase from 66.5 to 606.3 $\text{J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ at 370 K to 463.2 $\text{J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ at 470 K.			<b>Evaluation</b>	A	
<b>Phase Changes</b>					
c/liq	363.7 K,	$\Delta H = 9225 \text{ J}\cdot\text{mol}^{-1}$			
		$\Delta S = 25.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
<b>Molecular Weight</b>	198.2670				
<b>Wiswesser Line Notation</b>	ZR D1R DZ				
<b>Evaluation</b>	D				
<b>C<sub>13</sub>H<sub>15</sub>NO</b> (liq)		86ACH/HA	<b>C<sub>13</sub>H<sub>15</sub>NO</b> (liq)		
1-(1-Isocyanato-1-methylethyl)-3-(1-methylethylene) benzene			1-1-(1-Isocyanato-1-methylethyl)-3-(1-methylethylene) benzene		
<b>Heat Capacity</b>	333 K,	$C_p = 382 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	333 K,	$C_p = 1.9 \text{ J}\cdot\text{g}^{-1}\cdot\text{C}^{-1}$
Temperature range 333, 433 K. $C_p = 1.9 \text{ J}\cdot\text{g}^{-1}\cdot\text{C}^{-1}$ .			Temperature range 333, 433 K.		
<b>Molecular Weight</b>	201.2676		<b>Molecular Weight</b>	OCNX2&1&R CYU1&1	
<b>Wiswesser Line Notation</b>	OCNX2&1&R CYU1&1		<b>Evaluation</b>	C	
<b>Evaluation</b>			98% purity.		

$C_{13}H_{15}NO$ (liq)	86ACH/HAS	$C_{13}H_{20}$ (liq)	48TSC
1-(1-Isocyanato-1-methylethyl)-4-(1-methylethenyl) benzene		n-Heptylbenzene	
<b>Heat Capacity</b> 333 K, $C_p=362 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 294 K, $C_p=269 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 333, 433 K. $C_p=1.8 \text{ J}\cdot\text{g}^{-1}\cdot\text{C}^{-1}$ .		One temperature.	
<b>Molecular Weight</b> 201.2676		<b>Molecular Weight</b> 176.3010	
Wiswesser Line Notation OCNX2&1&R DYU1&1		Wiswesser Line Notation 7R	
<b>Evaluation</b> C		<b>Evaluation</b> C	
91% purity.			
$C_{13}H_{15}NO$ (c)	40CAM/CAM	$C_{13}H_{20}O$ (liq)	88BAG/GUR
p-Toluidine-phenol complex; Phenol-p-toluidine complex		6,10-Dimethyl-4,5,9-undecatrien-2-one	
<b>Heat Capacity</b> 293 K, $C_p=216.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 313.65 K, $C_p=413.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
One temperature.		Temperature range 270 to 340 K. Unsmoothed experimental datum.	
<b>Molecular Weight</b> 201.2676		<b>Molecular Weight</b> 192.3004	
Wiswesser Line Notation ZR D1 &QR		Wiswesser Line Notation 1YU3YU1U2V1	
<b>Evaluation</b> C		<b>Evaluation</b> B	
$C_{13}H_{16}N_2O_3$ (c)	40CAM/CAM	$C_{13}H_{20}O$ (liq)	88BAG/GUR
Phenol-urea complex; Urea-phenol complex		6,10-Dimethyl-3,5,9-undecatrien-2-one	
<b>Heat Capacity</b> 293 K, $C_p=250.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 297.85 K, $C_p=382.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
One temperature.		Temperature range 270 to 340 K. Unsmoothed experimental datum.	
<b>Molecular Weight</b> 248.2810		<b>Molecular Weight</b> 192.3004	
Wiswesser Line Notation ZVZ &QR 2		Wiswesser Line Notation 1YU3YU2U1V1	
<b>Evaluation</b> C		<b>Evaluation</b> B	
$C_{13}H_{18}$ (liq)	81LEE/FIN	$C_{13}H_{20}O$ (liq)	88BAG/GUR
1,1,4,6-Tetramethylindan		4-(2,6,6-Trimethyl-1-cyclohexen-1-yl)-3-butene-2-one	
<b>Heat Capacity</b> 298.15 K, $C_p=299.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 313.60 K, $C_p=388.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 10 to 400 K.		Temperature range 270 to 340 K. Unsmoothed experimental datum.	
<b>Entropy</b> 298.15 K, $S=348.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Molecular Weight</b> 192.3004	
<b>Phase Changes</b>		Wiswesser Line Notation L6 AUTJ A1 B1U1V1 C1 C1	
c,II/c,I 191 K		<b>Evaluation</b> B	
c,J/liq 273.51 K, $\Delta H=15742 \text{ J}\cdot\text{mol}^{-1}$			
<b>Molecular Weight</b> 174.2852			
Wiswesser Line Notation L56 T&J B1 B1 F1 II			
<b>Evaluation</b> A			
$C_{13}H_{18}$ (liq)	81LEE/FIN	$C_{13}H_{22}BrN$ (c)	89VAN/WHI
1,1,4,7-Tetramethylindan		7-Phenylheptylammonium bromide	
<b>Heat Capacity</b> 298.15 K, $C_p=302.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Phase Changes</b>	
Temperature range 10 to 400 K.		c,II/c,I 332 K, $\Delta H=9300 \text{ J}\cdot\text{mol}^{-1}$	
<b>Entropy</b> 298.15 K, $S=343.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		$\Delta S=3.46 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Phase Changes</b>		<b>Molecular Weight</b> 272.2275	
c/liq 245.553 K, $\Delta H=11279 \text{ J}\cdot\text{mol}^{-1}$		Wiswesser Line Notation Z7R &EH	
<b>Molecular Weight</b> 174.2852		<b>Evaluation</b> A	
Wiswesser Line Notation L56 T&J B1 B1 F1 H1			
<b>Evaluation</b> A			
T(glass)=160 K.			
$C_{13}H_{19}NO_2$ (c)	71PRI	$C_{13}H_{22}ClN$ (c)	89VAN/WHI
Hexyl N-phenylcarbamate		7-Phenylheptylammonium chloride	
<b>Heat Capacity</b> 298 K, $C_p=336.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Phase Changes</b>	
Temperature range 200 to 390 K. Complete data deposited in VINITI, No. 2713-71, 25 March 1971.		c,II/c,I 310 K, $\Delta H=10100 \text{ J}\cdot\text{mol}^{-1}$	
<b>Phase Changes</b>		$\Delta S=3.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
c/liq 328 K, $\Delta H=32765 \text{ J}\cdot\text{mol}^{-1}$		<b>Molecular Weight</b> 227.7765	
$\Delta S=99.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		Wiswesser Line Notation Z7R &GH	
<b>Molecular Weight</b> 221.2986		<b>Evaluation</b> A	
Wiswesser Line Notation 60VMR			
<b>Evaluation</b> B			

$C_{13}H_{22}FeN_6S_3$ (c)		81SOR/OGA	$C_{13}H_{24}$ (liq)	63GUD/CAM
Thiourea-ferrocene			Isopropyldecalin	
<b>Heat Capacity</b>	273.15 K, Temperature range 13 to 280 K.	$C_p=447.86 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	373 K, $C_p=373.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Entropy</b>	273.15 K,	$S=516.05 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Temperature range</b>	373 to 483 K.
<b>Phase Changes</b>			<b>Molecular Weight</b>	180.3326
c,V/c,IV	147.2 K,	$\Delta H=263 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=1.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Wiswesser Line Notation</b>	L66TJ XY1&1
c,IV/c,III	159.79 K,	$\Delta H=1473 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=9.24 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Evaluation</b>	C
c,III/c,II	171.4 K,	$\Delta H=14 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=0.079 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	$C_{13}H_{24}$ (liq)	63GUD/CAM
c,II/c,I	185.5 K,	$\Delta H=35 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=0.188 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	2-Methylbicyclohexyl	
c,III/c,I	220 K,	$\Delta H=77 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=0.36 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	313 K, $C_p=331.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b>	414.3840		<b>Temperature range</b>	313 to 483 K.
<b>Wiswesser Line Notation</b>	I.5phiI phi-FF,- phi.5phiI & 7YZUS 3		<b>Molecular Weight</b>	180.3326
<b>Evaluation</b>	A		<b>Wiswesser Line Notation</b>	L6TJ A- BL6TJ A1
			<b>Evaluation</b>	C
$(C_{13}H_{22}O_8)_n$ (liq)		83SAN/CIO	$C_{13}H_{24}$ (liq)	62GOL/BE
Diethylene glycol-glycerol-adipate polymer			Dicyclohexylmethane	
<b>Heat Capacity</b>	298.15 K, Temperature range 273.15 to 323.15 K. $C_p$ (kJ/kg·K) $=-0.023598T-2.835$	$C_p=1287 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	311 K, $C_p=355.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b>	306.3120		<b>Temperatures</b>	100, 200, 300 °F.
<b>Wiswesser Line Notation</b>	*O2O2OV4VO1YQ71O*		<b>Molecular Weight</b>	180.3326
<b>Evaluation</b>	D		<b>Wiswesser Line Notation</b>	L6TJ A1- AL6TJ
			<b>Evaluation</b>	C
$C_{13}H_{24}$ (liq)		62GOL/BEL	$C_{13}H_{24}$ (liq)	63GUD/CAM
$\alpha$ -n-Propyldecalin			Dicyclohexylmethane	
<b>Heat Capacity</b>	311 K, Temperatures 100, 200, 300 °F.	$C_p=335.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	313 K, $C_p=320.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b>	180.3326		<b>Temperature range</b>	313 to 483 K.
<b>Wiswesser Line Notation</b>	L66TJ B3		<b>Molecular Weight</b>	180.3326
<b>Evaluation</b>	C		<b>Wiswesser Line Notation</b>	L6TJ A1- AL6TJ
			<b>Evaluation</b>	C
$C_{13}H_{24}$ (liq)		63GUD/CAM	$C_{13}H_{24}O_2$ (liq)	89GUS/BA
$\alpha$ -n-Propyldecalin			Nonyl methacrylate	
<b>Heat Capacity</b>	313 K, Temperature range 313 to 483 K.	$C_p=337.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K, $C_p=419.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b>	180.3326		<b>Temperature range</b>	244 to 315 K. $C_p$ (liq) = $2354.676 - 5.056583 \cdot 10^{-2} T^{357^2} / \text{J/kg}\cdot\text{K}$ (244 to 315 K). $C_p$ = 419.3 J/mol·K calculated b interpolation of experimental data, does not agree with equation given
<b>Wiswesser Line Notation</b>	L66TJ B3		<b>Molecular Weight</b>	212.3314
<b>Evaluation</b>	C		<b>Wiswesser Line Notation</b>	90V1Y1&U1
			<b>Evaluation</b>	B
$C_{13}H_{24}$ (liq)		62GOL/BEL	$C_{13}H_{24}O_2$ (c)	81LEB/EV
$\alpha$ -Isopropyldecalin			Tridecanolactone	
<b>Heat Capacity</b>	311 K, Temperatures 100, 200, 300 °F.	$C_p=316.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K, $C_p=398.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b>	180.3326		<b>Temperature range</b>	5 to 400 K.
<b>Wiswesser Line Notation</b>	L66TJ B3		<b>Entropy</b>	298.15 K, $S=401.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Evaluation</b>	C		<b>Phase Changes</b>	
			c,II/c,I	$\Delta H=18150 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=62.45 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
$C_{13}H_{24}$ (liq)		63GUD/CAM	c,I/liq	$\Delta H=9060 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=30.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
$\alpha$ -Isopropyldecalin			<b>Molecular Weight</b>	212.3314
<b>Heat Capacity</b>	311 K, Temperatures 100, 200, 300 °F.	$C_p=318.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Wiswesser Line Notation</b>	T-14-VOTJ
<b>Molecular Weight</b>	180.3326		<b>Evaluation</b>	A
<b>Wiswesser Line Notation</b>	L66TJ BY1&1			
<b>Evaluation</b>	C			

$C_{13}H_{24}O_2$ (c) Tridecanolactone <b>Heat Capacity</b> 298.15 K, Temperature range 10.3 to 330 K. <b>Entropy</b> 298.15 K, <b>Phase Changes</b> c,II/c,I 290.63 K, $\Delta H=18150\text{ J}\cdot\text{mol}^{-1}$ $\Delta S=62.3\text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ c,I/liq 300.4 K, $\Delta H=9058\text{ J}\cdot\text{mol}^{-1}$ $\Delta S=30.2\text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ <b>Molecular Weight</b> 212.3314 <b>Wiswesser Line Notation</b> T-14-VOTJ <b>Evaluation</b> A	81LEB/YEV	$C_{13}H_{26}$ (liq) n-Heptylcyclohexane <b>Heat Capacity</b> 298.15 K, Temperature range 80 to 300 K. <b>Entropy</b> 298.15 K, Extrapolation below 80 K, 90.04 $\text{J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ . <b>Phase Changes</b> c/liq 232.8 K, $\Delta H=22225\text{ J}\cdot\text{mol}^{-1}$ $\Delta S=95.5\text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ <b>Molecular Weight</b> 182.3484 <b>Wiswesser Line Notation</b> L6TJ A7 <b>Evaluation</b> ( $C_p$ ),C(S)	49PAR/MOO
$(C_{13}H_{24}O_2)_n$ (c) Poly(tridecanolactone) <b>Heat Capacity</b> 298.15 K, Temperature range 5 to 400 K. <b>Entropy</b> 298.15 K, <b>Phase Changes</b> c,II/c,I 229 K Glass/crystal. c/liq 368.1 K, $\Delta H=46000\text{ J}\cdot\text{mol}^{-1}$ $\Delta S=125\text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ <b>Molecular Weight</b> 212.3314 <b>Wiswesser Line Notation</b> /*OV-14-*/ <b>Evaluation</b> A	81LEB/EVS	$C_{13}H_{26}O$ (liq) 6,10-Dimethyl-2-undecanone <b>Heat Capacity</b> 313.55 K, Temperature range 270 to 340 K. Unsmoothed experimental datum. <b>Molecular Weight</b> 198.3478 <b>Wiswesser Line Notation</b> 1Y3Y3V1 <b>Evaluation</b> B	88BAG/GUR
$C_{13}H_{24}O_4$ (c) Tridecanedioic acid <b>Phase Changes</b> c/liq 387.5 K, $\Delta H=45296\text{ J}\cdot\text{mol}^{-1}$ $\Delta S=116.9\text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ <b>Molecular Weight</b> 244.3302 <b>Wiswesser Line Notation</b> QV11VQ <b>Evaluation</b> B	74CIN/BER	$C_{13}H_{26}O_2$ (c) Tridecanoic acid <b>Heat Capacity</b> 298.15 K, Temperature range 80 to 340 K. <b>Phase Changes</b> c,II/c,I 307.1 K, $\Delta H=8730\text{ J}\cdot\text{mol}^{-1}$ $\Delta S=28.41\text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ c,I/liq 315.01 K, $\Delta H=33729\text{ J}\cdot\text{mol}^{-1}$ $\Delta S=107.07\text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ <b>Molecular Weight</b> 214.3472 <b>Wiswesser Line Notation</b> QV12 <b>Evaluation</b> B	82SCH/MIL
$C_{13}H_{25}O_2Tl$ (c) Thallium tridecanoate <b>Heat Capacity</b> Temperature range 345 to 460 K. <b>Phase Changes</b> c,V/c,IV 315.0 K, $\Delta H=790\text{ J}\cdot\text{mol}^{-1}$ $\Delta S=2.49\text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ c,IV/c,III 328.1 K, $\Delta H=4831\text{ J}\cdot\text{mol}^{-1}$ $\Delta S=14.72\text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ c,III/c,II 332.6 K, $\Delta H=9312\text{ J}\cdot\text{mol}^{-1}$ $\Delta S=28.02\text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ c,II/c,I 370.1 K, $\Delta H=2902\text{ J}\cdot\text{mol}^{-1}$ $\Delta S=7.82\text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ c,I/liq 397.9 K, $\Delta H=6294\text{ J}\cdot\text{mol}^{-1}$ $\Delta S=15.80\text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ <b>Solid-mesophase.</b> <b>Molecular Weight</b> 417.7093 <b>Wiswesser Line Notation</b> OV12.TL <b>Evaluation</b> A Mesophase-isotropic liquid transition. 464.7 K, $\Delta H=1871\text{ J/mol}$ . $\Delta S=3.99\text{ J/mol}\cdot\text{K}$ .	89ROU/TUR	$C_{13}H_{26}O_2Si_3$ (liq) 1,1,1,3,5,5-Heptamethyl-3-phenyltrisiloxane <b>Heat Capacity</b> 298.15 K, $C_p=519.6\text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Temperature range 5 to 300 K. <b>Entropy</b> 298.15 K, $S=620.8\text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ <b>Phase Changes</b> c/liq 226.84 K, $\Delta H=18293\text{ J}\cdot\text{mol}^{-1}$ $\Delta S=80.7\text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ <b>Molecular Weight</b> 298.6037 <b>Wiswesser Line Notation</b> 1-SI-1&1&O-SI-1&R&O-SI-1&1&1 <b>Evaluation</b> A	84DZH/KUL
$C_{13}H_{26}O_4$ (c) 1-Monocaprin <b>Heat Capacity</b> One temperature, $\beta_L$ form. <b>Molecular Weight</b> 246.3460 <b>Wiswesser Line Notation</b> Q1YQ1OV9 <b>Evaluation</b> B	65SIL/DAU		

<b>2C<sub>13</sub>H<sub>28</sub></b> (liq)		54FIN/GRO2	<b>C<sub>13</sub>H<sub>28</sub>O</b> (liq)	88CAC/COS
n-Tridecane			5-Butyl-5-nananol	
<b>Heat Capacity</b>	298.15 K, Temperature range 12 to 310 K.	$C_p = 406.89 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K, One temperature.
<b>Entropy</b>	298.15 K,	$S = 522.87 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b>	200.3636
<b>Phase Changes</b>	c,II/c,I	$\Delta H = 7661 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 30.04 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ $\Delta H = 28501 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 106.43 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Wiswesser Line Notation</b>	QX4&4&4 Evaluation B
c,I/liq	267.79 K,		<b>C<sub>13</sub>H<sub>28</sub>O</b> (c)	83MAS/STI
<b>Molecular Weight</b>	184.3642		Tri-tert-butylmethanol	
<b>Wiswesser Line Notation</b>	13H		<b>Heat Capacity</b>	298.15 K, $C_p = 350.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Evaluation</b>	A		One temperature. $C_p$ given as $1.75 \text{ J} \cdot \text{g}^{-1} \cdot \text{K}^{-1}$ .	
<b>C<sub>13</sub>H<sub>28</sub></b> (liq)		75WOY/KAL	<b>Phase Changes</b>	
n-Tridecane			c,II/c,I	302.17 K, $\Delta H = 7200 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 24 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Heat Capacity</b>	303.15 K, One temperature.	$C_p = 409.40 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Solid-plastic.	
<b>Molecular Weight</b>	184.3642		c/liq	390.15 K, $\Delta H = 3430 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 8.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b>	13H		<b>Molecular Weight</b>	200.3636
<b>Evaluation</b>	B		<b>Wiswesser Line Notation</b>	QXX1&1&1&X1&1&1&X1&1&1
<b>C<sub>13</sub>H<sub>28</sub></b> (c)		86MEE/BEC	<b>Evaluation</b>	B
Tri(tert-butyl)methane			<b>C<sub>13.5</sub>H<sub>15</sub>O<sub>19.5</sub>Mn·0.19H<sub>2</sub>O</b> (c)	90MIY/MA
<b>Heat Capacity</b>	298.15 K, One temperature.	$C_p = 354.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Manganese squareate clathrate	
<b>Molecular Weight</b>	184.3642		<b>Heat Capacity</b>	299.91 K, $C_p = 703.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b>	1X1&1&YX1&1&1X1&1&1		Temperature range 12 to 300 K. $C_p$ value is unsmoothed experimental datum.	
<b>Evaluation</b>	B		<b>Molecular Weight</b>	492.6782
<b>C<sub>13</sub>H<sub>28</sub>O</b> (c)		74MOS/MOU	<b>Wiswesser Line Notation</b>	L4Vvj CO CO -MN- &QH 2 3 &QV1 0.75 &QH 0.19
1-Tridecanol; n-Tridecyl alcohol			<b>Evaluation</b>	A
<b>Heat Capacity</b>	298.15 K, $\beta$ -form, 276 to 299 K.	$C_p = 378 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>C<sub>14</sub>F<sub>30</sub></b> (c)	93LEB/BYI
<b>Phase Changes</b>	c, $\beta$ /c, $\gamma$	301.6 K, $\Delta H = 3600 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 11.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	n-Perfluorotetradecane	
c, $\beta$ /c, $\alpha$	305.8 K, $\Delta H = 22100 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 72.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b>	298.15 K, $C_p = 691.16 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c, $\gamma$ /c, $\alpha$	306.6 K, $\Delta H = 18700 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 61.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		Temperature range 0 to 320 K.	
c, $\beta$ /liq	304.6 K, $\Delta H = 45120 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 148.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Entropy</b>	298.15 K, $S = 881.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c, $\gamma$ /liq	304.9 K, $\Delta H = 41400 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 135.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Phase Changes</b>	
c, $\alpha$ /liq	303.5 K, $\Delta H = 23000 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 76.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		c,III/c,II	170.4 K, $\Delta H = 2000 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 11.95 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	200.3636		c,II/c,I	178.6 K, $\Delta H = 3010 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 17.27 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b>	Q13		<b>Molecular Weight</b>	569.9520
<b>Evaluation</b>	B		<b>Wiswesser Line Notation</b>	FXFFXFFXFFXFFXFFXFF- XFFXFFXFFXFFXFFXFFXFF
<b>C<sub>13</sub>H<sub>28</sub>O</b> (liq)		74MOS/MOU	<b>Evaluation</b>	A
1-Tridecanol; n-Tridecyl alcohol			<b>C<sub>14</sub>H<sub>7</sub>ClO<sub>2</sub></b> (c)	92SAP/ELW
<b>Heat Capacity</b>	305 K, Temperature range 305 to 346 K.	$C_p = 476 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	2-Chloroanthraquinone	
<b>Molecular Weight</b>	200.3636		<b>Phase Changes</b>	
<b>Wiswesser Line Notation</b>	Q13		c/liq	483.02 K, $\Delta H = 38960 \text{ J} \cdot \text{mol}^{-1}$
<b>Evaluation</b>	B		<b>Molecular Weight</b>	242.6611
<b>C<sub>13</sub>H<sub>28</sub>O</b> (liq)		89KHA/ZYK	<b>Wiswesser Line Notation</b>	L C666 BV IVJ DG
1-Tridecanol; n-Tridecyl alcohol			<b>Evaluation</b>	A
<b>Heat Capacity</b>	313.15 K, Temperature range 313 to 553 K.	$C_p = 487.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>C<sub>14</sub>H<sub>8</sub>Cl<sub>2</sub>O<sub>3</sub></b> (c)	73SAP/MO
<b>Molecular Weight</b>	200.3636		Oxy-p,p'-dibenzoyl chloride	
<b>Wiswesser Line Notation</b>	Q13		<b>Heat Capacity</b>	300 K, $C_p = 308.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Evaluation</b>	B		Temperature range 20 to 300 K.	
<b>C<sub>13</sub>H<sub>28</sub>O</b> (liq)			<b>Entropy</b>	300 K, $S = 312.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
1-Tridecanol; n-Tridecyl alcohol			<b>Molecular Weight</b>	295.1208
<b>Heat Capacity</b>	313.15 K, Temperature range 313 to 553 K.		<b>Wiswesser Line Notation</b>	GVR DOR DVG
<b>Molecular Weight</b>	200.3636		<b>Evaluation</b>	C
<b>Wiswesser Line Notation</b>	Q13		Author's do not specify isomer, assumed to be p,p' substitution.	
<b>Evaluation</b>	B			

<b>C<sub>14</sub>H<sub>8</sub>O<sub>2</sub></b> (c)	17HIL/DUS	<b>C<sub>14</sub>H<sub>10</sub></b> (c)	50UEB/ORT
Anthraquinone		Phenanthrene	
<b>Heat Capacity</b>	298.15 K, $C_p = 240.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K, $C_p = 134.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 293 to 593 K. From heat content data.		Temperature range 293 to 368 K. Equation only.	
<b>Phase Changes</b>		<b>Phase Changes</b>	
c/liq	555 K, $\Delta H = 32570 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 58.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	c,II/c,I	342 K, $\Delta H = 2600 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 7.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b>	208.2160	<b>Molecular Weight</b>	178.2330
<b>Wiswesser Line Notation</b>	L C666 BV IVJ	<b>Wiswesser Line Notation</b>	L B666J
<b>Evaluation</b>	C	<b>Evaluation</b>	C
<b>C<sub>14</sub>H<sub>8</sub>NO<sub>2</sub></b> (c)	77KAR/BAZ	<b>C<sub>14</sub>H<sub>10</sub></b> (c)	64RAS/BAS
N-Phenylphthalimide		Phenanthrene	
<b>Heat Capacity</b>	300 K, $C_p = 245.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	343 K, $C_p = 267.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 60 to 400 K.		Temperature range 343, 404 K.	
<b>Entropy</b>	300 K, $S = 273.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Phase Changes</b>	
<b>Molecular Weight</b>	223.2306	c/liq	373.2 K, $\Delta H = 18000 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 48.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Wiswesser Line Notation</b>	T56 BVNVJ CR	<b>Molecular Weight</b>	178.2330
<b>Evaluation</b>	B	<b>Wiswesser Line Notation</b>	L B666J
<b>Evaluation</b>		<b>Evaluation</b>	B
<b>C<sub>14</sub>H<sub>10</sub></b> (c)	31HUF/PAR	<b>C<sub>14</sub>H<sub>10</sub></b> (c)	77FIN/MES
Phenanthrene		Phenanthrene	
<b>Heat Capacity</b>	297.5 K, $C_p = 233.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K, $C_p = 220.62 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 93 to 304 K. Value is unsmoothed experimental datum.		Temperature range 10 to 440 K.	
<b>Entropy</b>	298.1 K, $S = 211.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Entropy</b>	298.15 K, $S = 215.06 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Extrapolation below 90 K, 65.19 $\text{J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ .		<b>Phase Changes</b>	
<b>Molecular Weight</b>	178.2330	c,III/c,II	$\sim 270 \text{ K}$
<b>Wiswesser Line Notation</b>	L B666J	c,II/c,I	347.5 K, Second-order glass-type transition.
<b>Evaluation</b>	B( $C_p$ ),C(S)	c,I/liq	$\Delta H = 218 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 0.63 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
 		<b>Molecular Weight</b>	178.2330
<b>C<sub>14</sub>H<sub>10</sub></b> (c)	41SCH	<b>Wiswesser Line Notation</b>	L B666J
Phenanthrene		<b>Evaluation</b>	A
<b>Heat Capacity</b>	298.1 K, $C_p = 226.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	 	
Temperature range 20 to 200 °C, equations only, in t °C. $C_p(c) = 0.2440 + 0.002604t - 0.000011t^2 \text{ cal}\cdot\text{g}^{-1}\cdot\text{C}^{-1}$ (20 to 98 °C); $C_p(\text{liq}) = 0.3328 + 0.0006760t \text{ cal}\cdot\text{g}^{-1}\cdot\text{C}^{-1}$ (98 to 200 °C).		 	
<b>Phase Changes</b>		<b>C<sub>14</sub>H<sub>10</sub></b> (c)	87RAI/SIN
c/liq	371.7 K, $\Delta H = 17138 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 46.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	Phenanthrene	
<b>Molecular Weight</b>	178.2330	<b>Phase Changes</b>	
<b>Wiswesser Line Notation</b>	L B666J	c/liq	(373) K, $\Delta H = 18627 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 49.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Evaluation</b>	C	<b>Molecular Weight</b>	178.2330
 		<b>Wiswesser Line Notation</b>	L B666J
<b>C<sub>14</sub>H<sub>10</sub></b> (c)	44EIB	<b>Evaluation</b>	B
Phenanthrene		 	
<b>Heat Capacity</b>	298.1 K, $C_p = 207.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>C<sub>14</sub>H<sub>10</sub></b> (c)	88PET/TSY
Temperature range 20 to 200 °C, equations only, in t °C. $C_p(c) = 0.2003 + 0.00306t \text{ cal}\cdot\text{g}^{-1}\cdot\text{C}^{-1}$ (20 to 98 °C); $C_p(\text{liq}) = 0.292 + 0.000923t \text{ cal}\cdot\text{g}^{-1}\cdot\text{C}^{-1}$ (98 to 200 °C).		Phenanthrene	
<b>Phase Changes</b>		<b>Phase Changes</b>	
c/liq	371.4 K, $\Delta H = 17150 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 46.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	c,II/c,I	332.2 K, $\Delta H = 1000 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 3.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b>	178.2330	<b>Molecular Weight</b>	178.2330
<b>Wiswesser Line Notation</b>	L B666J	<b>Wiswesser Line Notation</b>	L B666J
<b>Evaluation</b>	C	<b>Evaluation</b>	A

$C_{14}H_{10}$ (c) Phenanthrene Phase Changes liq/g	350 K, $\Delta H = 87240 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 249.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	88TOR/BAR	$C_{14}H_{10}$ (c) Anthracene Heat Capacity 298.15 K, $C_p = 210.50 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	68GOU/GI
c/g	298.15 K, $\Delta H = 90900 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 304.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		Temperature range 5 to 520 K. Only 6 points given; summary article	
Molecular Weight	178.2330		Entropy 298.15 K, $S = 207.15 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Wiswesser Line Notation	L B666J		Molecular Weight 178.2330	
Evaluation	A		Wiswesser Line Notation L C666J	
			Evaluation	A
$C_{14}H_{10}$ (c) Phenanthrene Heat Capacity 298.15 K, One temperature.		90STE/CHI	$C_{14}H_{10}$ (c) Anthracene Heat Capacity 298.15 K, $C_p = 210.50 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	70GOU/GI
Molecular Weight	178.2330		Temperature range 5 to 500 K.	
Wiswesser Line Notation	L B666J		Entropy 298.15 K, $S = 207.15 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Evaluation	B		Phase Changes c/liq $488.93 \text{ K},$ $\Delta H = 29372 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 60.07 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
			Note that table of smoothed values indicates $\Delta H_m = 6485 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S_m = 251 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
$C_{14}H_{10}$ (c) Phenanthrene Phase Changes c/liq	373.81 K, $\Delta H = 15720 \text{ J}\cdot\text{mol}^{-1}$	92SAB/ELW3	Molecular Weight 178.2330	
Molecular Weight	178.2330		Wiswesser Line Notation L C666J	
Wiswesser Line Notation	L B666J		Evaluation	A
Evaluation	A			
$C_{14}H_{10}$ (c) Anthracene Heat Capacity 298.15 K, Temperature range 293 to 593 K. From heat content data.		17HIL/DUS	$C_{14}H_{10}$ (c) Anthracene Heat Capacity 298.15 K, $C_p = 211.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	80RAD/RA
Phase Changes c/liq	489.7 K, $\Delta H = 28870 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 59.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		Temperature range 180 to 430 K. Data given graphically. $C_p$ calculated from equation.	
Molecular Weight	178.2330		Phase Changes c,liq $490.6 \text{ K},$ $\Delta H = 29000 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 59.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Wiswesser Line Notation	L C666J		Molecular Weight 178.2330	
Evaluation	C		Wiswesser Line Notation L C666J	
			Evaluation	B
$C_{14}H_{10}$ (c) Anthracene Heat Capacity 297.2 K, Temperature range 94 to 297 K. Value is unsmoothed experimental datum.		31HUF/PAR	$C_{14}H_{10}$ (c) Diphenylacetylene; Diphenylethyne Heat Capacity 298.5 K, $C_p = 225.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	31SMI/AN
Entropy	298.1 K, $S = 207.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		Temperature range 102 to 323 K. Value is unsmoothed experimental datum.	
Extrapolation below 90 K, 14.98 cal $\cdot$ mol $^{-1}\cdot$ K $^{-1}$ .			Molecular Weight 178.2330	
Molecular Weight	178.2330		Wiswesser Line Notation R1UU1R	
Wiswesser Line Notation	L C666J		Evaluation	C
Evaluation	B( $C_p$ ),C(S)			
$C_{14}H_{10}$ (c) Anthracene Heat Capacity 298.15 K, Temperature range 293 to 368 K. Equation only.		50UEB/ORT	$C_{14}H_{10}$ (c) Diphenylacetylene; Diphenylethyne Heat Capacity 340 K, $C_p = 297.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	50KL
Phase Changes c/liq	490 K, $\Delta H = 28830 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 58.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		Temperature range 65 to 303 °C. Mp 61 °C.	
Molecular Weight	178.2330		Molecular Weight 178.2330	
Wiswesser Line Notation	L C666J		Wiswesser Line Notation R1UU1R	
Evaluation	C		Evaluation	D
$C_{14}H_{10}$ (c) Anthracene Heat Capacity 298.15 K, Temperature range 293 to 368 K. Equation only.		$C_{14}H_{10}$ (c) Diphenylacetylene; Diphenylethyne Phase Changes c/liq $\Delta H = 20502 \text{ J}\cdot\text{mol}^{-1}$ $\Delta H = 90374 \text{ J}\cdot\text{mol}^{-1}$	86CHI/A!	
Phase Changes c/g		Molecular Weight 178.2330		
Molecular Weight	178.2330	Wiswesser Line Notation R1UU1R		
Wiswesser Line Notation	L C666J	Evaluation	A	
Evaluation	C			

<b>C<sub>14</sub>H<sub>10</sub>O</b> (c)		91ELW/SAB	<b>C<sub>14</sub>H<sub>11</sub>NO<sub>3</sub></b> (c)		77KAR/BAZ
Anthrone			Phthalanilic acid		
<b>Phase Changes</b>			<b>Heat Capacity</b>	300 K,	$C_p = 279.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c/liq	429 K,	$\Delta H = 26800 \text{ J} \cdot \text{mol}^{-1}$	Temperature range	60 to 400 K.	
<b>Molecular Weight</b>	194.2324		<b>Entropy</b>	300 K,	$S = 322.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b>	T C666 BV IHJ		<b>Molecular Weight</b>	241.2458	
<b>Evaluation</b>	A		<b>Wiswesser Line Notation</b>	QVR BVMR	
			<b>Evaluation</b>	B	
<b>C<sub>14</sub>H<sub>10</sub>O</b> (c)		92SAB/ELW4	<b>C<sub>14</sub>H<sub>11</sub>NO<sub>3</sub></b> (c)		91WU/XIO
Anthrone			N-Salicylidene-m-aminobenzoic acid		
<b>Phase Changes</b>			<b>Heat Capacity</b>	464 K,	$\Delta H = 33110 \text{ J} \cdot \text{mol}^{-1}$
c/liq	429 K,	$\Delta H = 26800 \text{ J} \cdot \text{mol}^{-1}$	Temperature range	102 to 299 K.	$\Delta S = 71.36 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Slight decomposition at melting.			<b>Molecular Weight</b>	241.2458	
c/g	298.15 K,	$\Delta H = 1037300 \text{ J} \cdot \text{mol}^{-1}$	<b>Wiswesser Line Notation</b>	QVR DNU1R DQ	
<b>Molecular Weight</b>	194.2324		<b>Evaluation</b>	A	
<b>Wiswesser Line Notation</b>	T C666 BV IHJ				
<b>Evaluation</b>	A				
<b>C<sub>14</sub>H<sub>10</sub>O<sub>2</sub></b> (c)		72BOO/HAU	<b>C<sub>14</sub>H<sub>12</sub></b> (liq)		31SMI/AND
Benzil; Diphenyl diketone			1,1-Diphenylethylene		
<b>Phase Changes</b>			<b>Heat Capacity</b>	298.5 K,	$C_p = 299.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c/liq	368.05 K,	$\Delta H = 22690 \text{ J} \cdot \text{mol}^{-1}$	Temperature range	102 to 299 K. Value is unsmoothed experimental datum.	
		$\Delta S = 61.65 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b>	180.2488	
<b>Molecular Weight</b>	210.2318		<b>Wiswesser Line Notation</b>	1UYR&R	
<b>Wiswesser Line Notation</b>	RVVR		<b>Evaluation</b>	C	
<b>Evaluation</b>	C				
<b>C<sub>14</sub>H<sub>10</sub>O<sub>2</sub></b> (c)		77DWO/FUC	<b>C<sub>14</sub>H<sub>12</sub></b> (c)		79LEE/HOS
Benzil; Diphenyl diketone			9,10-Dihydrophenanthrene		
<b>Heat Capacity</b>			<b>Heat Capacity</b>	298.15 K,	$C_p = 243.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
$C_p$ data given graphically only. Temperature range 60 to 100 K.			Temperature range	10 to 350 K.	
<b>Phase Changes</b>			<b>Entropy</b>	298.15 K,	$S = 229.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c,II/c,I	84.07 K,	$\Delta H = 44.1 \text{ J} \cdot \text{mol}^{-1}$	<b>Phase Changes</b>		
		$\Delta S = 0.52 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	c/liq	306.52 K,	$\Delta H = 12790 \text{ J} \cdot \text{mol}^{-1}$
<b>Molecular Weight</b>	210.2318				$\Delta S = 41.73 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b>	RVVR		<b>Molecular Weight</b>	180.2488	
<b>Evaluation</b>	B		<b>Wiswesser Line Notation</b>	L B666&T&J	
			<b>Evaluation</b>	A	
<b>C<sub>14</sub>H<sub>10</sub>O<sub>2</sub></b> (c)		80AND/CON	<b>C<sub>14</sub>H<sub>12</sub></b> (c)		87CHI/HOS
Benzil; Diphenyl diketone			9,10-Dihydrophenanthrene		
<b>Phase Changes</b>			<b>Heat Capacity</b>	298.15 K,	$C_p = 243.08 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c,II/liq	368.022 K,	$\Delta H = 23556 \text{ J} \cdot \text{mol}^{-1}$	Temperature range	10 to 350 K.	
		$\Delta S = 64.01 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Entropy</b>	298.15 K,	$S = 229.29 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	210.2318		<b>Molecular Weight</b>	180.2488	
<b>Wiswesser Line Notation</b>	RVVR		<b>Wiswesser Line Notation</b>	L B666&T&J	
<b>Evaluation</b>	A		<b>Evaluation</b>	A	
<b>C<sub>14</sub>H<sub>10</sub>O<sub>2</sub></b> (c)		83DWO			
Benzil; Diphenyl diketone			Heat capacity and entropy data given for liquid state at 298.15 K:		
<b>Heat Capacity</b>	298.15 K,	$C_p = 245.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	$C_p = 278.04$ , $S = 270.14 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .		
Temperature range 15 to 300 K.					
<b>Entropy</b>	298.15 K,	$S = 292.08 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
<b>Phase Changes</b>					
c,II/c,I	84.07 K,	$\Delta H = 44.1 \text{ J} \cdot \text{mol}^{-1}$	<b>C<sub>14</sub>H<sub>12</sub></b> (c)		87CHI/HOS2
		$\Delta S = 0.52 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	9,10-Dihydroanthracene		
<b>Molecular Weight</b>	210.2318		<b>Heat Capacity</b>	298.15 K,	$C_p = 219.06 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b>	RVVR		Temperature range	10 to 500 K.	
<b>Evaluation</b>	A		<b>Entropy</b>	298.15 K,	$S = 218.97 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
			<b>Phase Changes</b>		
			c/liq	382.18 K,	$\Delta H = 23840 \text{ J} \cdot \text{mol}^{-1}$
					$\Delta S = 62.38 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	180.2488		<b>Molecular Weight</b>	180.2488	
<b>Wiswesser Line Notation</b>	L C666&T&J		<b>Wiswesser Line Notation</b>	L B666&T&J	
<b>Evaluation</b>	A		<b>Evaluation</b>	A	

<b>C<sub>14</sub>H<sub>12</sub></b> (c)	30PAR/HUF2	(C <sub>14</sub> H <sub>12</sub> Ge) <sub>n</sub> (liq)	75LEB/MIL
Stilbene		Polyvinylenediphenylgermane	
<b>Heat Capacity</b> 292.8 K, $C_p=227.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K, $C_p=334.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 92 to 293 K. Value is unsmoothed experimental datum.		Temperature range 8 to 324 K.	
<b>Entropy</b> 298.15 K, $S=251.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Entropy</b> 298.15 K, $S=323.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Extrapolation below 90 K, 82.89 $\text{J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ .		<b>Molecular Weight</b> 252.8388	
<b>Molecular Weight</b> 180.2488		<b>Wiswesser Line Notation</b> /*-GE-R&R&1U1*/	
<b>Wiswesser Line Notation</b> R1U1R		<b>Evaluation</b> A	
<b>Evaluation</b> B( $C_p$ ), C(S)		T(glass)=237 K.	
<b>C<sub>14</sub>H<sub>12</sub></b> (c)	31SMI/AND	(C <sub>14</sub> H <sub>12</sub> Ge) <sub>n</sub> (gls)	78LEB/RAB
Stilbene		Polyvinylenediphenylgermyl- $\alpha$ , $\omega$ -dihydride	
<b>Heat Capacity</b> 298.5 K, $C_p=232.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K, $C_p=334.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 102 to 346 K. Value is unsmoothed experimental datum.		Temperature range 7 to 330 K.	
<b>Molecular Weight</b> 180.2488		<b>Entropy</b> 298.15 K, $S=323.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Wiswesser Line Notation</b> R1U1R		Highly elastic state.	
<b>Evaluation</b> C		<b>Molecular Weight</b> 252.8388	
		<b>Wiswesser Line Notation</b> /*-GE-R&R&1U1*/	
		<b>Evaluation</b> A	
		T(glass)=237 K.	
<b>C<sub>14</sub>H<sub>12</sub></b> (c)	33FER/THO	<b>C<sub>14</sub>H<sub>12</sub>O<sub>2</sub></b> (c)	80AND/COR
Stilbene		Diphenylacetic acid	
<b>Heat Capacity</b> 313 K, $C_p=239.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Phase Changes</b>	
Temperature range 303 to 403 K.		c,l/liq 420.441 K, $\Delta H=31271 \text{ J}\cdot\text{mol}^{-1}$	
<b>Phase Changes</b>		$\Delta S=74.38 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
c/liq 397.55 K, $\Delta H=27829 \text{ J}\cdot\text{mol}^{-1}$		<b>Molecular Weight</b> 212.2476	
<b>Molecular Weight</b> 180.2488		<b>Wiswesser Line Notation</b> QVYR&R	
<b>Wiswesser Line Notation</b> R1U1R		<b>Evaluation</b> A	
<b>Evaluation</b> C			
<b>C<sub>14</sub>H<sub>12</sub></b> (c)	50KUR	<b>C<sub>14</sub>H<sub>12</sub>O<sub>4</sub></b> (c)	92STE/CH
Stilbene		Naphthalene-2,6-dicarboxylic acid dimethyl ester	
<b>Heat Capacity</b> 410 K, $C_p=343.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K, $C_p=283.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 135 to 305 °C. Mp 124.2 °C.		Temperature range 310 to 670 K. C/R(c)=0.0960T+5.51 (310 to 464 K); C/R(liq)=0.0635T+26.29 (464.5 to 670 K), R=8.31451 J/mol.	
<b>Molecular Weight</b> 180.2488		<b>Phase Changes</b>	
<b>Wiswesser Line Notation</b> R1U1R		c/liq 464.5 K, $\Delta H=53300 \text{ J}\cdot\text{mol}^{-1}$	
<b>Evaluation</b> B		<b>Molecular Weight</b> 244.2464	
		<b>Wiswesser Line Notation</b> L66J CVO1 HVO1	
		<b>Evaluation</b> B	
		Authors give $C_p/R=23.1$ at 298.15 K which is inconsistent with equation.	
<b>C<sub>14</sub>H<sub>12</sub></b> (c)	84VAN/BOU	<b>(C<sub>14</sub>H<sub>12</sub>Si)<sub>n</sub></b> (amorph)	77LEB/EVS
trans-Stilbene		Polyvinylenediphenylsilane	
<b>Heat Capacity</b> 298.15 K, $C_p=235.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 298 K, $C_p=331.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 8 to 350 K.		Temperature range 13 to 334 K. Values per repeating unit. Data deposited VINITI, No. 2360-76, 24 June 1976.	
<b>Entropy</b> 298.15 K, $S=247.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Entropy</b> 298 K, $S=298.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Phase Changes</b>		<b>Molecular Weight</b> 208.3343	
c/liq 398 K, $\Delta H=27370 \text{ J}\cdot\text{mol}^{-1}$		<b>Wiswesser Line Notation</b> /*1U1-SI-*R&R/	
<b>Molecular Weight</b> 180.2488		<b>Evaluation</b> B	
<b>Wiswesser Line Notation</b> R1U1R -T			
<b>Evaluation</b> B			
<b>C<sub>14</sub>H<sub>12</sub></b> (c)	85BOU/DEL	<b>(C<sub>14</sub>H<sub>12</sub>Si)<sub>n</sub></b> (gls)	78LEB/RAE
trans-Stilbene		Polyvinylenediphenylsilyl- $\alpha$ , $\omega$ -dihydride	
<b>Heat Capacity</b> 320 K, $C_p=251.08 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K, $C_p=331.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 320 to 410 K.		Temperature range 7 to 330 K.	
<b>Phase Changes</b>		<b>Entropy</b> 298.15 K, $S=298.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
c,l/liq 397.40 K, $\Delta H=27690 \text{ J}\cdot\text{mol}^{-1}$		Highly elastic state.	
<b>Molecular Weight</b> 180.2488		<b>Molecular Weight</b> 208.3343	
<b>Wiswesser Line Notation</b> R1U1R -T		<b>Wiswesser Line Notation</b> /*1U1-SI-*R&R/	
<b>Evaluation</b> A		<b>Evaluation</b> A	
		T(glass)=264 K.	

<b>C<sub>14</sub>H<sub>13</sub>N</b> (c)		90JIM/ROU	<b>C<sub>14</sub>H<sub>14</sub></b> (liq)		87CHI/HOS
N-Ethylcarbazole			1,2,3,4-Tetrahydrophenanthrene		
<b>Heat Capacity</b>	298.15 K, One temperature.	$C_p = 238.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K, Temperature range 5 to 430 K.	$C_p = 278.26 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b>	195.2634		<b>Entropy</b>	298.15 K,	$S = 286.60 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Wiswesser Line Notation</b>	T B656 HNJ H2		<b>Phase Changes</b>		
<b>Evaluation</b>	A		c,III/c,II	282.5 K,	$\Delta H = 213 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 0.75 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>C<sub>14</sub>H<sub>14</sub></b> (liq)		87CHI/HOS2	c,II/c,I	298.0 K,	$\Delta H = 1344.2 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 4.44 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Phenyl-o-tolylmethane			c,I/liq	302.560 K	
<b>Heat Capacity</b>	298.15 K, Temperature range 10 to 500 K.	$C_p = 296.58 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Molecular Weight</b>	182.2646	
<b>Entropy</b>	298.15 K,	$S = 335.50 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Wiswesser Line Notation</b>	L B666T&J	
<b>Phase Changes</b>			<b>Evaluation</b>	A	
c/liq	279.76 K,	$\Delta H = 19241 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 68.78 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>C<sub>14</sub>H<sub>14</sub></b> (c,II)		87CHI/HOS2
<b>Molecular Weight</b>	182.2646		1,2,3,4-Tetrahydroanthracene		
<b>Wiswesser Line Notation</b>	IR B1R		<b>Heat Capacity</b>	298.15 K, Temperature range 10 to 500 K.	$C_p = 247.02 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Evaluation</b>	A		<b>Entropy</b>	298.15 K,	$S = 227.12 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>C<sub>14</sub>H<sub>14</sub></b> (liq)		87CHI/HOS	<b>Phase Changes</b>		
2,2'-Dimethylbiphenyl			c,II/c,I	388.0 K,	$\Delta H = 2921 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 7.53 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Heat Capacity</b>	298.15 K, Temperature range 10 to 400 K.	$C_p = 298.06 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	c,I/liq	373.245 K,	$\Delta H = 19157 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 51.33 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Entropy</b>	298.15 K,	$S = 332.60 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Molecular Weight</b>	182.2646	
<b>Phase Changes</b>			<b>Wiswesser Line Notation</b>	L C666T&J	
c/liq	293.091 K,	$\Delta H = 2279.9 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 7.78 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Evaluation</b>	A	
<b>Molecular Weight</b>	182.2646		<b>C<sub>14</sub>H<sub>14</sub></b> (c)		30HUF/PAR
<b>Wiswesser Line Notation</b>	1R BR B1		1,2-Diphenylethane; Dibenzyl		
<b>Evaluation</b>	A		<b>Heat Capacity</b>	293.6 K,	$C_p = 251.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>C<sub>14</sub>H<sub>14</sub></b> (liq)		31SMI/AND	Temperature range 93 to 294 K. Value is unsmoothed experimental datum.		
1,1-Diphenylethane			<b>Entropy</b>	298.1 K,	$S = 270.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Heat Capacity</b>	298.5 K, Temperature range 102 to 299 K. Value is unsmoothed experimental datum.	$C_p = 295.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	Extrapolation below 90 K, 90.37 $\text{J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ .		
<b>Molecular Weight</b>	182.2646		<b>Molecular Weight</b>	182.2646	
<b>Wiswesser Line Notation</b>	1YR&R		<b>Wiswesser Line Notation</b>	R2R	
<b>Evaluation</b>	C		<b>Evaluation</b>	B( $C_p$ ),CS	
<b>C<sub>14</sub>H<sub>14</sub></b> (c)		33FER/THO	<b>C<sub>14</sub>H<sub>14</sub></b> (c)		31SMI/AND
1,2-Diphenylethane; Dibenzyl			1,2-Diphenylethane; Dibenzyl		
<b>Heat Capacity</b>	303 K, Temperature range 303 to 343 K.	$C_p = 257.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298.5 K,	$C_p = 253.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Phase Changes</b>			Temperature range 102 to 299 K. Value is unsmoothed experimental datum.		
c/liq	324.3 K,	$\Delta H = 22573 \text{ J}\cdot\text{mol}^{-1}$	<b>Molecular Weight</b>	182.2646	
<b>Molecular Weight</b>	182.2646		<b>Wiswesser Line Notation</b>	R2R	
<b>Wiswesser Line Notation</b>	R2R		<b>Evaluation</b>	C	
<b>Evaluation</b>	C		<b>C<sub>14</sub>H<sub>14</sub></b> (c)		41SCH
<b>C<sub>14</sub>H<sub>14</sub></b> (liq)		87CHI/HOS	1,2-Diphenylethane; Dibenzyl		
2-Ethylbiphenyl			<b>Heat Capacity</b>	298.1 K,	$C_p = 251.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Heat Capacity</b>	298.15 K, Temperature range 5 to 440 K.	$C_p = 302.73 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	Temperature range 20 to 200 °C, equations only in t °C. $C_p(c) = 0.2867 + 0.001743t \text{ cal}\cdot\text{g}^{-1}\cdot\text{C}^{-1}$ (20 to 51 °C); $C_p(liq) = 0.3865 + 0.0005986t \text{ cal}\cdot\text{g}^{-1}\cdot\text{C}^{-1}$ (51 to -200 °C).		
<b>Entropy</b>	298.15 K,	$S = 332.69 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Phase Changes</b>		
<b>Phase Changes</b>			c/liq	324.4 K,	$\Delta H = 23010 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 70.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c/liq	267.076 K,	$\Delta H = 2068.0 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 7.74 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Molecular Weight</b>	182.2646	
<b>Molecular Weight</b>	182.2646		<b>Wiswesser Line Notation</b>	R2R	
<b>Wiswesser Line Notation</b>	2R BR		<b>Evaluation</b>	C	
<b>Evaluation</b>	A				

<b>C<sub>14</sub>H<sub>14</sub></b> (c)		50KUR	<b>C<sub>14</sub>H<sub>14</sub>N<sub>2</sub>O<sub>3</sub></b> (c)		82J/
1,2-Diphenylethane; Dibenzyl			p-Azoxyanisole; 4,4'-Dimethoxyazoxobenzene		
<b>Heat Capacity</b> 330 K,	$C_p=320.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Phase Changes</b>		
Temperature 54 to 254 °C. $M_p=52.8 \text{ }^\circ\text{C}$ .			c,III/c,I	250.7 K,	$\Delta H=104.6 \text{ J}\cdot\text{mol}^{-1}$
<b>Molecular Weight</b> 182.2646					$\Delta S=0.42 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Wiswesser Line Notation</b> R2R			c,II/c,I	335.6 K	
<b>Evaluation</b> B			c,II/liq	377.5 K,	$\Delta H=23891 \text{ J}\cdot\text{mol}^{-1}$
					$\Delta S=63.30 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>C<sub>14</sub>H<sub>14</sub></b> (c,I)		88MES/FIN	Crystal II-nematic.		
1,2-Diphenylethane; Dibenzyl			c,I/liq	388.0 K,	$\Delta H=30430 \text{ J}\cdot\text{mol}^{-1}$
<b>Heat Capacity</b> 298.15 K,	$C_p=253.764 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$				$\Delta S=78.41 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 10 to 400 K.					
<b>Entropy</b> 298.15 K,	$S=267.391 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		Crystal I-nematic.		
<b>Phase Changes</b>			liq/liq	406.9 K,	$\Delta H=757 \text{ J}\cdot\text{mol}^{-1}$
c,II/c,I	273.150 K,				$\Delta S=1.84 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
	$\Delta H=2247.55 \text{ J}\cdot\text{mol}^{-1}$				
	$\Delta S=8.23 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$				
c,I/liq	324.348 K,		Nematic-isotropic.		
	$\Delta H=22730.52 \text{ J}\cdot\text{mol}^{-1}$				
	$\Delta S=70.08 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$				
<b>Molecular Weight</b> 182.2646					
<b>Wiswesser Line Notation</b> R2R					
<b>Evaluation</b> A					
<b>C<sub>14</sub>H<sub>14</sub>FeO<sub>2</sub></b> (c)		81TOM/CUR	<b>C<sub>14</sub>H<sub>14</sub>N<sub>2</sub>O<sub>3</sub></b> (c)		90KUZ/V/
1,1'-Diacetylferrocene			p-Azoxyanisole; 4,4'-Dimethoxyazoxobenzene		
<b>Heat Capacity</b> 298 K,	$C_p=289.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Phase Changes</b>		
Temperature range 293 to 393 K. Equation given.			c/liq	377.2 K,	$\Delta H=20630 \text{ J}\cdot\text{mol}^{-1}$
<b>Phase Changes</b>					
c/liq	403.7 K		Crystal to nematic liquid.		
<b>Molecular Weight</b> 270.1104			liq/liq	411.6 K,	$\Delta H=1334 \text{ J}\cdot\text{mol}^{-1}$
<b>Wiswesser Line Notation</b> L5φJ AV1 φ-FE- -φL5φJ AV1					
<b>Evaluation</b> B			Nematic to isotropic liquid.		
<b>C<sub>14</sub>H<sub>14</sub>Hg</b> (c)		31SMI/AND2	<b>Molecular Weight</b> 258.2762		
Di(p-tolyl)mercury; Mercury di(p-tolyl)			<b>Wiswesser Line Notation</b> 1OR DNUNO&R DO1		
<b>Heat Capacity</b> 298.5 K,	$C_p=262.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Evaluation</b> A		
Temperature range 102 to 346 K. Value is unsmoothed experimental datum.					
<b>Molecular Weight</b> 382.8546					
<b>Wiswesser Line Notation</b> 1R D- 2 .HG					
<b>Evaluation</b> B					
<b>C<sub>14</sub>H<sub>14</sub>N<sub>2</sub>O<sub>3</sub></b> (liq)		38KRE	<b>C<sub>14</sub>H<sub>14</sub>N<sub>2</sub>O<sub>3</sub></b> (c)		93ACR/T/
p-Azoxyanisole; 4,4'-Dimethoxyazoxobenzene			p-Azoxyanisole; 4,4'-Dimethoxyazoxobenzene		
<b>Heat Capacity</b> 400 K,	$C_p=569 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Phase Changes</b>		
Value a few degrees below anisotropic-isotropic liquid-liquid transition at 409 K.			c/liq	391.7 K,	$\Delta H=29300 \text{ J}\cdot\text{mol}^{-1}$
<b>Molecular Weight</b> 258.2762			c/nematic.		
<b>Wiswesser Line Notation</b> 1OR DNUNO&R DO1			liq/liq	410.7 K,	$\Delta H=1000 \text{ J}\cdot\text{mol}^{-1}$
<b>Evaluation</b> C					
 			Nematic/liq.		
<b>(C<sub>14</sub>H<sub>15</sub>N<sub>2</sub>NaO<sub>3</sub>)<sub>n</sub></b> (c)			<b>Molecular Weight</b> 258.2762		
Poly-L-sodium glutamate- tyrosine copolymer			<b>Wiswesser Line Notation</b> 1OR DNUNO&R DO1		
<b>Heat Capacity</b> 300 K,	$C_p=353.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Evaluation</b> A		
Temperature range 220 to 390 K.					
<b>Molecular Weight</b> 314.2727					
<b>Wiswesser Line Notation</b> /*VY1R DQ &MVY2VO &-NA- &M*/ -I					
<b>Evaluation</b> B					
<b>(C<sub>14</sub>H<sub>15</sub>N<sub>2</sub>NaO<sub>3</sub>)<sub>n</sub></b> (c)			<b>(C<sub>14</sub>H<sub>15</sub>N<sub>2</sub>NaO<sub>3</sub>)<sub>n</sub></b> (c)		91RC/
Poly-L-sodium glutamate- tyrosine copolymer			Poly-L-sodium glutamate- tyrosine copolymer		
<b>Heat Capacity</b> 300 K,	$C_p=353.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b>		
Temperature range 220 to 390 K.			300 K,	$C_p=353.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Molecular Weight</b> 314.2727			Temperature range 220 to 390 K.		
<b>Wiswesser Line Notation</b> /*VY1R DQ &MVY2VO &-NA- &M*/ -I					
<b>Evaluation</b> B					
<b>C<sub>14</sub>H<sub>14</sub>N<sub>2</sub>O<sub>3</sub></b> (c)		67BAR/POR	<b>C<sub>14</sub>H<sub>16</sub>FeN<sub>6</sub>S<sub>4</sub>Se<sub>2</sub></b> (c)		92KUL/T/
p-Azoxyanisole; 4,4'-Dimethoxyazoxobenzene			Bis-(2,2'-bi-2-thiazoline)diisoselenocyanato iron(II)		
<b>Heat Capacity</b> 368 K,	$C_p=380.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b>		
Temperature range 368 to 423 K.			223 K,	$\Delta H=9100 \text{ J}\cdot\text{mol}^{-1}$	
<b>Phase Changes</b>					$\Delta S=41.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c,I/liq	390.8 K,				
	$\Delta H=30367 \text{ J}\cdot\text{mol}^{-1}$				
	$\Delta S=77.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$				
Solid-nematic transition.					
liq/liq	407.1 K,				
	$\Delta H=736 \text{ J}\cdot\text{mol}^{-1}$				
	$\Delta S=1.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$				
Nematic liquid-isotropic liquid transition.					
<b>Molecular Weight</b> 258.2762					
<b>Wiswesser Line Notation</b> 1OR DNUNO&R DO1					
<b>Evaluation</b> B					

$C_{14}H_{16}FeN_6S_6$ (c)	92KUL/TYE	$C_{14}H_{18}$ (c)	82GAM/CAL
Bis-(2,2'-bi-2-thiazoline)diisothiocyanato iron(II)		1,2,3,4,5,6,7,8-Octahydroanthracene	
<b>Heat Capacity</b>		<b>Heat Capacity</b>	$C_p = 277.96 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 115 to 300 K. Data given graphically only.		Temperature range 10 to 400 K.	
<b>Phase Changes</b>		<b>Entropy</b>	$S = 248.92 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c,II/c,I	183.0 K,	$\Delta H = 9540 \text{ J}\cdot\text{mol}^{-1}$	
		$\Delta S = 54.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Molecular Weight</b>	516.5276		
<b>Wiswesser Line Notation</b>	T5NU CSTJ B- BT5NU CSTJ &-FE- NCS2		
<b>Evaluation</b>	B		
$C_{14}H_{17}NO_2$ (c)	89ZHA/HUA	$C_{14}H_{20}$ (c,III)	78SPI/AND
4-Methyl-7-diethylaminocoumarin		Diamantane;	
<b>Phase Changes</b>		Pentacyclo[7.3.1.1 <sup>4,12</sup> .0 <sup>2,7</sup> .0 <sup>6,11</sup> ] tetradecane	
c/liq	343.8 K,	<b>Heat Capacity</b>	$C_p = 220.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
		Temperature range 295 to 540 K. Value is unsmoothed experimental datum.	
<b>Molecular Weight</b>	231.2938	<b>Phase Changes</b>	
<b>Wiswesser Line Notation</b>	T66 BOVJ E1 IN2&2	c,III/c,II	$\Delta H = 4445 \text{ J}\cdot\text{mol}^{-1}$
<b>Evaluation</b>	B		$\Delta S = 10.92 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
$C_{14}H_{18}$ (c)	71BOY/SAN	c,II/c,I	$\Delta H = 8960 \text{ J}\cdot\text{mol}^{-1}$
1,2,3,4,5,6,7,8-Octahydroanthracene			$\Delta S = 20.34 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Heat Capacity</b>	327 K,	c,I/liq	$\Delta H = 8646 \text{ J}\cdot\text{mol}^{-1}$
	$C_p = 327.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		$\Delta S = 16.69 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 327 to 390 K. Four temperatures.			
<b>Phase Changes</b>		<b>Molecular Weight</b>	188.3120
c/liq	346 K,	<b>Wiswesser Line Notation</b>	L666 C6 E6 B C- D G 4ACEF
		<b>MTJ</b>	
<b>Molecular Weight</b>	186.2962	<b>Evaluation</b>	A
<b>Wiswesser Line Notation</b>	L 666 T&TJ		
<b>Evaluation</b>	C		
$C_{14}H_{18}$ (c)	88PET/TSY	$C_{14}H_{20}$ (c,III)	78WES/MCK
1,2,3,4,5,6,7,8-Octahydroanthracene		Diamantane;	
<b>Phase Changes</b>		Pentacyclo[7.3.1.1 <sup>4,12</sup> .0 <sup>2,7</sup> .0 <sup>6,11</sup> ] tetradecane	
c,II/c,I	331.6 K,	<b>Heat Capacity</b>	$C_p = 223.22 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
		Temperature range 5 to 350 K. Data between 350 and 540 K taken from other work.	
<b>Molecular Weight</b>	186.2962	<b>Entropy</b>	$S = 200.16 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Wiswesser Line Notation</b>	L 666 T&TJ	<b>Phase Changes</b>	
<b>Evaluation</b>	A	Second order transition between 26 and 36 K, with $\Delta H = 8.4 \text{ J}\cdot\text{mol}^{-1}$ , $\Delta S = 0.33 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ .	
$C_{14}H_{16}CrI$ (c)	72NIK/SAF	<b>Molecular Weight</b>	188.3120
Bis(toluene)chromium iodide		<b>Wiswesser Line Notation</b>	L666 C6 E6 B C- D G 4ACEF MTJ
<b>Heat Capacity</b>	298.15 K,	<b>Evaluation</b>	A
	$C_p = 333.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		
Temperature range 60 to 298.15 K.			
<b>Entropy</b>	298.15 K,	$C_{14}H_{22}$ (liq)	48TSC
	$S = 328.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	n-Octylbenzene	
<b>Molecular Weight</b>	363.1809	<b>Heat Capacity</b>	$C_p = 291 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Wiswesser Line Notation</b>	L6φJ A1 φ-CR- φL6φJ A1 &I	One temperature.	
<b>Evaluation</b>	B	<b>Phase Changes</b>	
$C_{14}H_{16}N_2O_2$ (liq)	86ACH/HAS	c/liq	$\Delta H = 29957 \text{ J}\cdot\text{mol}^{-1}$
1,3-Bis-(1-isocyanato-1-methylethyl)benzene		<b>Molecular Weight</b>	190.3278
<b>Heat Capacity</b>	333 K,	<b>Wiswesser Line Notation</b>	8R
	$C_p = 464 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Evaluation</b>	C
Temperature range 333, 433 K. $C_p = 1.9 \text{ J}\cdot\text{g}^{-1}\cdot\text{C}^{-1}$ .			
<b>Molecular Weight</b>	244.2926		
<b>Wiswesser Line Notation</b>	OCNX2&1&R CXNCO&2&1		
<b>Evaluation</b>	C		
99% purity.			
$C_{14}H_{16}N_2O_2$ (c)	86ACH/HAS	$C_{14}H_{24}$ (liq)	63GUD/CAM
1,4-Bis-(1-isocyanato-1-methylethyl)benzene		Perhydrophenanthrene	
<b>Heat Capacity</b>	333 K,	<b>Heat Capacity</b>	$C_p = 330.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
	$C_p = 415 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	Temperature range 313 to 583 K.	
Temperature range 333, 433 K. $C_p = 1.7 \text{ J}\cdot\text{g}^{-1}\cdot\text{C}^{-1}$ .		<b>Molecular Weight</b>	192.3436
<b>Molecular Weight</b>	244.2926	<b>Wiswesser Line Notation</b>	L B666TJ
<b>Wiswesser Line Notation</b>	OCNX2&1&R DXNCO&2&1	<b>Evaluation</b>	C
<b>Evaluation</b>	C		
99% purity.			

<b>C<sub>14</sub>H<sub>24</sub></b> (c)			<b>C<sub>14</sub>H<sub>26</sub></b> (liq)		63GUD/CA†
Perhydrophenanthrene			α-Isobutyldecalin		
<b>Heat Capacity</b>	298 K,	$C_p = 289.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	313 K,	$C_p = 358.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 193 to 403 K.			Temperature range 313 to 483 K.		
<b>Phase Changes</b>			<b>Molecular Weight</b>	194.3594	
c/liq	313 K,	$\Delta H = 11155 \text{ J}\cdot\text{mol}^{-1}$	Wiswesser Line Notation L66TJ B2Y1&1		
		$\Delta S = 35.64 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Evaluation</b>	C	
<b>Molecular Weight</b>	192.3436				
Wiswesser Line Notation L B666TJ					
<b>Evaluation</b>	B				
(cat) cis/anti/trans isomer					
<b>C<sub>14</sub>H<sub>24</sub></b> (c)		82NUZ	<b>C<sub>14</sub>H<sub>26</sub></b> (liq)		62GOL/B†
Perhydrophenanthrene			α-n-Butyldecalin		
<b>Heat Capacity</b>	298 K,	$C_p = 345.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	311 K,	$C_p = 356.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 193 to 403 K.			Temperature range 100, 200, 300 °F.		
<b>Phase Changes</b>			<b>Molecular Weight</b>	194.3594	
c/liq	273 K,	$\Delta H = 10481 \text{ J}\cdot\text{mol}^{-1}$	Wiswesser Line Notation L66TJ B4		
		$\Delta S = 38.39 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Evaluation</b>	C	
<b>Molecular Weight</b>	192.3436				
Wiswesser Line Notation L B666TJ					
<b>Evaluation</b>	B				
(cst) cis/syn/trans isomer					
<b>C<sub>14</sub>H<sub>24</sub></b> (c)		82NUZ	<b>C<sub>14</sub>H<sub>26</sub></b> (liq)		63GUD/CA
Perhydrophenanthrene			α-n-Butyldecalin		
<b>Heat Capacity</b>	298 K,	$C_p = 281.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	313 K,	$C_p = 361.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 193 to 403 K.			Temperature range 313 to 483 K.		
<b>Phase Changes</b>			<b>Molecular Weight</b>	194.3594	
c/liq	283 K,	$\Delta H = 11832 \text{ J}\cdot\text{mol}^{-1}$	Wiswesser Line Notation L66TJ B4		
		$\Delta S = 41.81 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Evaluation</b>	C	
<b>Molecular Weight</b>	192.3436				
Wiswesser Line Notation L B666TJ					
<b>Evaluation</b>	B				
(tat) trans/anti/trans isomer					
<b>C<sub>14</sub>H<sub>24</sub>BrN</b> (c)		89VAN/WHI	<b>C<sub>14</sub>H<sub>26</sub></b> (liq)		62GOL/B†
8-Phenoxyoctylammonium bromide			α-sec-Butyldecalin		
<b>Phase Changes</b>			<b>Heat Capacity</b>	311 K,	$C_p = 350.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c,III/c,II	356 K,	$\Delta H = 690 \text{ J}\cdot\text{mol}^{-1}$	Temperature range 100, 200, 300 °F.		
		$\Delta S = 0.23 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Molecular Weight</b>	194.3594	
c,II/c,I	379 K,	$\Delta H = 12100 \text{ J}\cdot\text{mol}^{-1}$	Wiswesser Line Notation L66TJ BY2&1		
		$\Delta S = 3.83 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Evaluation</b>	C	
<b>Molecular Weight</b>	286.2543				
Wiswesser Line Notation Z8R & EH					
<b>Evaluation</b>	A				
<b>C<sub>14</sub>H<sub>24</sub>CIN</b> (c)		89VAN/WHI	<b>C<sub>14</sub>H<sub>26</sub></b> (liq)		63GUD/CA
8-Phenoxyoctylammonium chloride			α-sec-Butyldecalin		
<b>Phase Changes</b>			<b>Heat Capacity</b>	313 K,	$C_p = 352.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c,III/c,II	332 K,	$\Delta H = 7020 \text{ J}\cdot\text{mol}^{-1}$	Temperature range 313 to 483 K.		
		$\Delta S = 2.54 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Molecular Weight</b>	194.3594	
c,II/c,I	347 K,	$\Delta H = 2850 \text{ J}\cdot\text{mol}^{-1}$	Wiswesser Line Notation L66TJ BY2&1		
		$\Delta S = 0.99 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Evaluation</b>	C	
<b>Molecular Weight</b>	241.8033				
Wiswesser Line Notation Z8R & GH					
<b>Evaluation</b>	A				
<b>C<sub>14</sub>H<sub>24</sub>N<sub>2</sub>O<sub>3</sub></b> (c)		89VAN/WHI	<b>C<sub>14</sub>H<sub>26</sub></b> (liq)		63GUD/CA
8-Phenoxyoctylammonium nitrate			2-Methylbicyclohexylmethane		
<b>Phase Changes</b>			<b>Heat Capacity</b>	313 K,	$C_p = 361.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c,II/c,I	334 K,	$\Delta H = 23000 \text{ J}\cdot\text{mol}^{-1}$	Temperature range 313 to 483 K.		
		$\Delta S = 8.29 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Molecular Weight</b>	194.3594	
<b>Molecular Weight</b>	268.3552		Wiswesser Line Notation L6TJ A1- BL6TJ A1		
Wiswesser Line Notation Z8R & WNQ			<b>Evaluation</b>	C	
<b>Evaluation</b>	A				
<b>C<sub>14</sub>H<sub>24</sub>N<sub>2</sub>O<sub>3</sub></b> (c)			<b>C<sub>14</sub>H<sub>26</sub></b> (liq)		63GUD/CA
8-Phenoxyoctylammonium nitrate			1,2-Dicyclohexylethane		
<b>Phase Changes</b>			<b>Heat Capacity</b>	313 K,	$C_p = 367.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c,II/c,I	334 K,	$\Delta H = 23000 \text{ J}\cdot\text{mol}^{-1}$	Temperature range 313 to 483 K.		
		$\Delta S = 8.29 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Molecular Weight</b>	194.3594	
<b>Molecular Weight</b>	268.3552		Wiswesser Line Notation L6TJ A2- AL6TJ		
Wiswesser Line Notation Z8R & WNQ			<b>Evaluation</b>	C	
<b>Evaluation</b>	A				

<b>C<sub>14</sub>H<sub>26</sub></b> (liq)	63GUD/CAM	<b>C<sub>14</sub>H<sub>26</sub>O<sub>4</sub>Pb</b> (c,II)	78ADE/SIM
1,1-Dicyclohexylethane		Lead(II) heptanoate; Lead(II) oenanthane	
<b>Heat Capacity</b> 313 K,	$C_p = 348.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b> 345 K,	$C_p = 770 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 313 to 483 K.		Mean value, 341 to 351 K. Data only graphically for c, IV. Data also for c,I, 363 to 371 K and liquid, 413 to 453 K.	
<b>Molecular Weight</b> 194.3594			
Wiswesser Line Notation L6TJ AY1&- AL6TJ		<b>Phase Changes</b>	
<b>Evaluation</b> C		c,IV/c,III 36.6 K,	$\Delta H = 17100 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 51 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>C<sub>14</sub>H<sub>26</sub></b> (liq)	63GUD/CAM	c,II, c,II, c,I are mesophases.	
2-Ethylbicyclohexyl		c,III/c,II 356.8 K,	$\Delta H = 8500 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 24 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Heat Capacity</b> 313 K,	$C_p = 369.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	c,II/c,I 361.3 K,	$\Delta H = 9700 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 27 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 313 to 483 K.		c,I/liq 374.7 K,	$\Delta H = 1400 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 3.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b> 194.3594		<b>Molecular Weight</b> 465.5570	
Wiswesser Line Notation L6TJA- BL6TJ A2		Wiswesser Line Notation OV6 2.PB	
<b>Evaluation</b> C		<b>Evaluation</b> C	
<b>C<sub>14</sub>H<sub>26</sub>O</b> (liq)	87MIL/FEN	<b>C<sub>14</sub>H<sub>27</sub>O<sub>2</sub>Tl</b> (c)	76MEI/SEY
2-(1,2-Dimethylpropyl)-5,6-dimethylheptenal		Thallium tetradecanoate	
<b>Heat Capacity</b> 323.15 K,	$C_p = 419.03 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Phase Changes</b>	
Temperature range 323.15 to 428.15 K.		c,III,cII 313 K,	$\Delta H = 11715 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 37.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b> 210.3588		c,II/c,I 371 K,	$\Delta H = 3138 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 8.37 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Wiswesser Line Notation 1YYYYVH&U2YY		c,I/liq 393 K,	$\Delta H = 5439 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 13.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Evaluation</b> A		Solid-mesophase.	
<b>C<sub>14</sub>H<sub>26</sub>O</b> (liq)	87MIL/FEN	liq/liq 460 K,	$\Delta H = 1632 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 3.56 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
2-Pentynonenal		Mesophase-isotropic.	
<b>Heat Capacity</b> 323.15 K,	$C_p = 435.35 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Molecular Weight</b> 431.7361	
Temperature range 323.15 to 428.15 K.		Wiswesser Line Notation OV13 .TL	
<b>Molecular Weight</b> 210.3588		<b>Evaluation</b> B	
Wiswesser Line Notation VHY5&U7			
<b>Evaluation</b> A			
<b>C<sub>14</sub>H<sub>26</sub>O<sub>2</sub></b> (liq)	85KAR/ABD	<b>C<sub>14</sub>H<sub>27</sub>O<sub>2</sub>Tl</b> (c)	87NGE/WES
Decyl methacrylate		Thallium tetradecanoate	
<b>Heat Capacity</b> 298.15 K,	$C_p = 452.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p = 438.25 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 250 to 350 K. Equation only. $C_p (\text{J}\cdot\text{kg}^{-1}\cdot\text{K}^{-1}) = 1098.7 + 3.0251 \text{ T}$ . $C_p$ data calculated from equation.		Entropy 298.15 K,	$S = 473.84 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Phase Changes</b>		c,III/c,II 318.2 K,	$\Delta H = 15099 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 47.39 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c/liq 250.7 K		c,II/c,I 378.0 K,	$\Delta H = 2877 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 7.65 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b> 226.3582		c,I/liq 396.3 K,	$\Delta H = 6269 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 15.80 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Wiswesser Line Notation 10OVY1&U1		Solid-mesophase.	
<b>Evaluation</b> B		liq/liq 460.7 K,	$\Delta H = 1671 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 3.66 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>C<sub>14</sub>H<sub>26</sub>O<sub>2</sub></b> (liq)	85KAR/ABD2	Mesophase-isotropic.	
Decyl methacrylate		<b>Molecular Weight</b> 431.7361	
<b>Phase Changes</b>		Wiswesser Line Notation OV13 .TL	
c/liq 250.7 K.	$\Delta H = 30548 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 121.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Evaluation</b> A	
<b>Molecular Weight</b> 226.3582			
Wiswesser Line Notation 10OVY1&U1			
<b>Evaluation</b> A			
<b>C<sub>14</sub>H<sub>26</sub>O<sub>2</sub></b> (liq)	85KAR/SAI	<b>C<sub>14</sub>H<sub>28</sub>O</b> (c)	79SUN/SVE
Decyl methacrylate		2-Tetradecanone; n-Dodecyl methyl ketone	
<b>Heat Capacity</b> 298.15 K,	$C_p = 452.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p = 415.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 90 to 350 K. $C_p(\text{c}) = 266.05 + 4.78\text{T J/kg}\cdot\text{K}$ (93 to 230 K); $C_p(\text{liq}) = 1098.69 + 3.02\text{T J/kg}\cdot\text{K}$ (250.7 to 350 K). $C_p$ data calculated from equation.		Temperature range 278 to 338 K. Equations only.	
<b>Phase Changes</b>		<b>Phase Changes</b>	
c/liq 250.7 K		c/liq 306.7 K,	$\Delta H = 49120 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 160.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b> 226.3582		Molecular Weight 212.3746	
Wiswesser Line Notation 10OVY1&U1		Wiswesser Line Notation 12V1	
<b>Evaluation</b> B		<b>Evaluation</b> B	

$C_{14}H_{28}O_2$ (liq)		34KIN/GAR	$C_{14}H_{30}$ (liq)		84GRI/ANI
Ethyl dodecanoate; Ethyl laurate			n-Tetradecane		
<b>Phase Changes</b>			<b>Heat Capacity</b>	296.20 K,	$C_p = 435.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c/liq	271.45 K,	$\Delta H = 9312 \text{ J}\cdot\text{mol}^{-1}$	Temperature range 296 to 433 K. Unsmoothed experimental datum given as 2.193 kJ/kg·K.		
<b>Molecular Weight</b>	228.3740		<b>Molecular Weight</b>	198.3910	
<b>Wiswesser Line Notation</b>	11VO2		<b>Wiswesser Line Notation</b>	14H	
<b>Evaluation</b>	B		<b>Evaluation</b>	B	
	Data on the specific heat is given at or near the phase transition.				
$C_{14}H_{28}O_2$ (c)		1885STO/WIL	$C_{14}H_{30}$ (liq)		84GRO/BEN
Tetradecanoic acid; Myristic acid			n-Tetradecane		
<b>Heat Capacity</b>	298 K,	$C_p = 523 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p = 436.40 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 0 to 100 °C.			One temperature.		
<b>Phase Changes</b>			<b>Molecular Weight</b>	198.3910	
c/liq	317 K,	$\Delta H = 36280 \text{ J}\cdot\text{mol}^{-1}$	<b>Wiswesser Line Notation</b>	14H	
		$\Delta S = 114 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Evaluation</b>	B	
<b>Molecular Weight</b>	228.3740				
<b>Wiswesser Line Notation</b>	QV13				
<b>Evaluation</b>	D				
$C_{14}H_{28}O_2$ (c)		82SCH/MIL2	$C_{14}H_{30}$ (liq)		84GRO/INC
Tetradecanoic acid; Myristic acid			n-Tetradecane		
<b>Heat Capacity</b>	298.15 K,	$C_p = 432.01 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p = 436.52 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 80 to 345 K.			One temperature.		
<b>Phase Changes</b>			<b>Molecular Weight</b>	198.3910	
c,I/liq	327.32 K,	$\Delta H = 45100 \text{ J}\cdot\text{mol}^{-1}$	<b>Wiswesser Line Notation</b>	14H	
		$\Delta S = 137.79 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Evaluation</b>	B	
<b>Molecular Weight</b>	228.3740				
<b>Wiswesser Line Notation</b>	QV13				
<b>Evaluation</b>	B				
$C_{14}H_{30}$ (liq)		34PAR/LIG	$C_{14}H_{30}$ (liq)		84ROU/GRC
n-Tetradecane			n-Tetradecane		
<b>Heat Capacity</b>	290.6 K,	$C_p = 434.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p = 436.91 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 93 to 291 K. Value is unsmoothed experimental datum.			One temperature.		
<b>Entropy</b>	298.15 K,	$S = 562.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Molecular Weight</b>	198.3910	
Extrapolation below 90 K, 120.2 $\text{J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ .			<b>Wiswesser Line Notation</b>	14H	
<b>Phase Changes</b>			<b>Evaluation</b>	B	
c,II/c,I	194 K,	$\Delta H = 182.4 \text{ J}\cdot\text{mol}^{-1}$	$C_{14}H_{30}$ (liq)		85BAL/BR/
		$\Delta S = 0.94 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	n-Tetradecane		
c,I/liq	288.7 K,	$\Delta H = 44267 \text{ J}\cdot\text{mol}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p = 433.53 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
		$\Delta S = 153.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	One temperature.		
<b>Molecular Weight</b>	198.3910		<b>Molecular Weight</b>	198.3910	
<b>Wiswesser Line Notation</b>	14H		<b>Wiswesser Line Notation</b>	14H	
<b>Evaluation</b>	B( $C_p$ ), C(S)		<b>Evaluation</b>	B	
$C_{14}H_{30}$ (liq)		54FIN/GRO2	$C_{14}H_{30}$ (liq)		85LAI/ROL
n-Tetradecane			n-Tetradecane		
<b>Heat Capacity</b>	298.15 K,	$C_p = 438.44 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p = 434.20 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 12 to 300 K.			One temperature.		
<b>Entropy</b>	298.15 K,	$S = 555.43 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Molecular Weight</b>	198.3910	
<b>Phase Changes</b>			<b>Wiswesser Line Notation</b>	14H	
c/liq	279.03 K,	$\Delta H = 45070 \text{ J}\cdot\text{mol}^{-1}$	<b>Evaluation</b>	B	
		$\Delta S = 161.52 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
<b>Molecular Weight</b>	198.3910		$C_{14}H_{30}$ (liq)		85LAI/WI
<b>Wiswesser Line Notation</b>	14H		n-Tetradecane		
<b>Evaluation</b>	A		<b>Heat Capacity</b>	298.15 K,	$C_p = 434.20 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
			One temperature.		
$C_{14}H_{30}$ (liq)		82ZAR	$C_{14}H_{30}$ (liq)		86WIL/LA
n-Tetradecane			n-Tetradecane		
<b>Heat Capacity</b>	298 K,	$C_p = 436.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p = 433.98 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 298, 323, 363 K.			One temperature.		
<b>Molecular Weight</b>	198.3910		<b>Molecular Weight</b>	198.3910	
<b>Wiswesser Line Notation</b>	14H		<b>Wiswesser Line Notation</b>	14H	
<b>Evaluation</b>	B		<b>Evaluation</b>	B	

$C_{14}H_{30}$ (liq)		87WIL/ING	$C_{14}H_{30}O$ (c)	74MOS/MOU
n-Tetradecane			1-Tetradecanol; n-Tetradecyl alcohol	
<b>Heat Capacity</b>	298.15 K,	$C_p=434.16 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	312 K,
One temperature.			Temperature range 312 to 346 K.	
<b>Molecular Weight</b>	198.3910		<b>Molecular Weight</b>	214.3904
<b>Wiswesser Line Notation</b>	14H		<b>Wiswesser Line Notation</b>	Q14
<b>Evaluation</b>	B		<b>Evaluation</b>	B
$C_{14}H_{30}$ (liq)		88COS/HUU	$C_{14}H_{30}S$ (liq)	82TUT/GAB
n-Tetradecane			1-Tetradecanethiol; n-Tetradecyl mercaptan	
<b>Heat Capacity</b>	298.15 K,	$C_p=438.01 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	300 K,
One temperature.			Temperature range 273 to 373 K.	$C_p=501.57 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b>	198.3910		+ $9.310\times 10^{-5}T^2$ .	$C_p=480.72+4.157\times 10^{-2}T$
<b>Wiswesser Line Notation</b>	14H		<b>Molecular Weight</b>	230.4510
<b>Evaluation</b>	B		<b>Wiswesser Line Notation</b>	SH14
$C_{14}H_{30}$ (liq)		88PER/AIC	<b>Evaluation</b>	B
n-Tetradecane			$C_{14}H_{30}O$ (liq)	89KHA/ZYK
<b>Heat Capacity</b>	298.15 K,	$C_p=438.01 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	1-Tetradecanol; n-Tetradecyl alcohol	
One temperature.			<b>Heat Capacity</b>	313.15 K,
<b>Molecular Weight</b>	198.3910		Temperature range 313 to 563 K.	$C_p=516.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Wiswesser Line Notation</b>	14H		<b>Molecular Weight</b>	214.3904
<b>Evaluation</b>	A		<b>Wiswesser Line Notation</b>	Q14
$C_{14}H_{30}$ (liq)		88PIN/BRA	<b>Evaluation</b>	B
n-Tetradecane			$C_{14}H_{30}O$ (c)	92STE/CHI
<b>Heat Capacity</b>	298.15 K,	$C_p=433.53 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	1-Tetradecanol; n-Tetradecyl alcohol	
One temperature.			<b>Heat Capacity</b>	298.15 K,
<b>Molecular Weight</b>	198.3910		Temperature range 274 to 564 K. C/R(c)=0.360T-56.06 (269 to 311 K); C/R(liq)=0.159T+13.618 (311 to 379 K), R=8.31451 J/K·mol.	$C_p=426.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Wiswesser Line Notation</b>	14H		<b>Phase Changes</b>	
<b>Evaluation</b>	B		c/liq	311 K, $\Delta H=49400 \text{ J}\cdot\text{mol}^{-1}$
$C_{14}H_{30}$ (liq)		89WIL/LAI	<b>Molecular Weight</b>	214.3904
n-Tetradecane			<b>Wiswesser Line Notation</b>	Q14
<b>Heat Capacity</b>	298.15 K,	$C_p=434.20 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Evaluation</b>	A
One temperature.			$C_{14}H_{34}$ (liq)	63GUD/CAM
<b>Molecular Weight</b>	198.3910		9-Methylperhydrofluorene	
<b>Wiswesser Line Notation</b>	14H		<b>Heat Capacity</b>	313 K,
<b>Evaluation</b>	B		Temperature range 313 to 583 K.	$C_p=323.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
$C_{14}H_{30}$ (liq)		91TRE/COS	<b>Molecular Weight</b>	202.4226
n-Tetradecane			<b>Wiswesser Line Notation</b>	L B656TJ H1
<b>Heat Capacity</b>	298.15 K,	$C_p=438.28 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Evaluation</b>	C
One temperature.			$C_{14}H_{34}Br_2N_2$ (c)	74BUR/VER
<b>Molecular Weight</b>	198.3910		1,2-Bis(triethylammonium)ethane dibromide	
<b>Wiswesser Line Notation</b>	14H		<b>Heat Capacity</b>	298 K,
<b>Evaluation</b>	B		Temperature range 273 to 373 K.	$C_p=411.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
$C_{14}H_{30}O$ (c)		74MOS/MOU	<b>Molecular Weight</b>	390.2440
1-Tetradecanol; n-Tetradecyl alcohol			<b>Wiswesser Line Notation</b>	2K2&2&2K2&2&E &E
<b>Heat Capacity</b>	298.15 K,	$C_p=388 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Evaluation</b>	B
$\alpha$ -form, 386 to 303 K.			$C_{14}H_{36}CdCl_4N_2$ (c)	83WHI/DAV
<b>Phase Changes</b>			Bis(n-heptylammmonium)tetrachlorocadmate	
c, $\beta$ /c, $\gamma$	306 K,	$\Delta H=1800 \text{ J}\cdot\text{mol}^{-1}$	<b>Heat Capacity</b>	298.15 K,
		$\Delta S=5.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	Temperature range 10 to 325 K.	$C_p=633.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c, $\beta$ /c, $\alpha$	311.2 K,	$\Delta H=23800 \text{ J}\cdot\text{mol}^{-1}$	<b>Entropy</b>	298.15 K,
		$\Delta S=76.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	$S=779.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
c, $\gamma$ /c, $\alpha$	311.6 K,	$\Delta H=22000 \text{ J}\cdot\text{mol}^{-1}$	<b>Phase Changes</b>	
		$\Delta S=70.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	c,III/c,II	250.00 K,
c, $\beta$ /liq	311.0 K,	$\Delta H=49510 \text{ J}\cdot\text{mol}^{-1}$	$\Delta H=17630 \text{ J}\cdot\text{mol}^{-1}$	
		$\Delta S=159.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	$\Delta S=71.38 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
c, $\gamma$ /liq	311.2 K,	$\Delta H=47000 \text{ J}\cdot\text{mol}^{-1}$	c,II/c,I	316.74 K,
		$\Delta S=151.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	$\Delta H=5060 \text{ J}\cdot\text{mol}^{-1}$	
c, $\alpha$ /liq	310.8 K,	$\Delta H=25100 \text{ J}\cdot\text{mol}^{-1}$	$\Delta S=16.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
		$\Delta S=80.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Molecular Weight</b>	486.6738
<b>Molecular Weight</b>	214.3904		<b>Wiswesser Line Notation</b>	7ZH 2 .CD G4
<b>Wiswesser Line Notation</b>	Q14		<b>Evaluation</b>	A
<b>Evaluation</b>	B			

$C_{14}H_{36}N_2MnCl_4$ (c)		83WHI/DAV	$C_{15}H_{11}ClN_2O$ (c)		92CHA/ELM
Bis(n-heptylammonium)tetrachloromanganate			Nordazepam;		
<b>Heat Capacity</b>	298.15 K, Temperature range 10 to 325 K.	$C_p = 653.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	7-Chloro-1,3-dihydro-5-phenyl-2H-1,4-benzodiazepin-2-one		
<b>Entropy</b>	298.15 K,	$S = 772.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Phase Changes</b>		
<b>Phase Changes</b>	c,III/c,II	$\Delta H = 16930 \text{ J}\cdot\text{mol}^{-1}$	c,IV/liq	214.2 K,	$\Delta H = 33620 \text{ J}\cdot\text{mol}^{-1}$
	247.95 K,	$\Delta S = 68.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	c,III/liq	216.0 K,	$\Delta H = 27400 \text{ J}\cdot\text{mol}^{-1}$
			c,II/liq	216.7 K,	$\Delta H = 34000 \text{ J}\cdot\text{mol}^{-1}$
c,II/c,I	313.8 K,	$\Delta H = 10197 \text{ J}\cdot\text{mol}^{-1}$	c,I/liq	221.3 K,	$\Delta H = 24450 \text{ J}\cdot\text{mol}^{-1}$
		$\Delta S = 32.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Molecular Weight</b>	270.7177	
<b>Molecular Weight</b>	398.5688		<b>Wiswesser Line Notation</b>	T76 BMV DH ENJ FR IG	
<b>Wiswesser Line Notation</b>	7ZH 2 .MN G4		<b>Evaluation</b>	A	
<b>Evaluation</b>	A				
$C_{15}H_{10}N_2O_2$ (c)		66ZAL/STR	$C_{15}H_{11}N_3O_7$ (c)		79FAR/SHF
4,4'-Diphenylmethane diisocyanate			Indene picric acid		
<b>Heat Capacity</b>	334 K,	$C_p = 244.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Phase Changes</b>		
Temperature range 46 to 78 °C, mean value.			c/liq	366.7 K,	$\Delta H = 25100 \text{ J}\cdot\text{mol}^{-1}$
<b>Molecular Weight</b>	250.2562				$\Delta S = 68.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Wiswesser Line Notation</b>	OCNR D1R DNCO		<b>Molecular Weight</b>	345.2678	
<b>Evaluation</b>	D		<b>Wiswesser Line Notation</b>	L56 BHJ &WNR BQ CNW ENW	
State not given; assumed solid.			<b>Evaluation</b>	B	
$C_{15}H_{10}N_2O_2$ (c)		77LEB/EVS3	$C_{15}H_{12}$ (c)		88CHI/HO5
4,4'-Diphenylmethane diisocyanate			4-Methylphenanthrene		
<b>Heat Capacity</b>	298.15 K,	$C_p = 307.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p = 263.13 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 12 to 355 K. Data deposited VINITI, No 4328-76, 14 December 1976.			Temperature range 10 to 500 K. Value is a graphical extrapolation.		
<b>Entropy</b>	298.15 K,	$S = 332.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Entropy</b>	298.15 K,	$S = 244.55 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Phase Changes</b>	c/liq	$\Delta H = 27300 \text{ J}\cdot\text{mol}^{-1}$	<b>Phase Changes</b>	c,III/c,II	$\Delta H = 22.4 \text{ J}\cdot\text{mol}^{-1}$
	313.57 K,	$\Delta S = 87.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		182.0 K,	$\Delta S = 0.12 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b>	250.2562		Extrapolated value.		
<b>Wiswesser Line Notation</b>	OCNR D1R DNCO		c,II/c,I	295 K,	$\Delta H = 33.3 \text{ J}\cdot\text{mol}^{-1}$
<b>Evaluation</b>	A				$\Delta S = 0.11 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
$C_{15}H_{10}N_2O_2$ (c)		77LEB/RAB4	Extrapolated value.		
4,4'-Diphenylmethane diisocyanate			c,I/liq	324.925 K,	$\Delta H = 14039 \text{ J}\cdot\text{mol}^{-1}$
<b>Heat Capacity</b>	300 K,	$C_p = 313 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			$\Delta S = 43.21 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 13 to 400 K. Data given graphically. Value estimated from graph.			<b>Molecular Weight</b>	192.2598	
<b>Entropy</b>	298.15 K,	$S = 332.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Wiswesser Line Notation</b>	L B666J C1	
<b>Phase Changes</b>	c/liq	$\Delta H = 27300 \text{ J}\cdot\text{mol}^{-1}$	<b>Evaluation</b>	A	
	313.57 K,	$\Delta S = 87.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
<b>Molecular Weight</b>	250.2562				
<b>Wiswesser Line Notation</b>	OCNR D1R DNCO				
<b>Evaluation</b>	$C(C_p)$ ; A(S, Phase changes)				
$(C_{15}H_{10}N_2O_2)_n$ (gls)		77LEB/RAB4	$C_{15}H_{12}$ (c)		89CHI/HO5
Polyisocyanurate			4-Methylphenanthrene		
<b>Heat Capacity</b>	300 K,	$C_p = 300 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p = 263.13 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 13 to 400 K. Data given graphically. Value estimated from graph.			Temperature range 10 to 500 K. Value is a graphical extrapolation.		
<b>Entropy</b>	298.15 K,	$S = 294 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Entropy</b>	298.15 K,	$S = 244.55 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b>	250.2562		<b>Phase Changes</b>	c,III/c,II	$\Delta H = 22.4 \text{ J}\cdot\text{mol}^{-1}$
<b>Wiswesser Line Notation</b>	/T4NVNVTJ A* CR D1R D*/			182.0 K,	$\Delta S = 0.12 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Evaluation</b>	$C(C_p)$ , A(S)		Extrapolated value.		
			c,II/c,I	295 K,	$\Delta H = 33.3 \text{ J}\cdot\text{mol}^{-1}$
					$\Delta S = 0.11 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
			Extrapolated value.		
			c,I/liq	324.925 K,	$\Delta H = 14039 \text{ J}\cdot\text{mol}^{-1}$
					$\Delta S = 43.21 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b>	192.2598		<b>Molecular Weight</b>	192.2598	
<b>Wiswesser Line Notation</b>	L B666J C1		<b>Wiswesser Line Notation</b>	L B666J C1	
<b>Evaluation</b>	A		<b>Evaluation</b>	A	
$C_{15}H_{15}CoS_2$ (c)		71SOR/KO:			
Tris-(cyclopentadienylcobalt)disulfide					
<b>Phase Changes</b>	c,II/c,I				
	192.5 K,	$\Delta H = 5253.4 \text{ J}\cdot\text{mol}^{-1}$			
		$\Delta S = 28.894 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
<b>Molecular Weight</b>	436.2031				
<b>Wiswesser Line Notation</b>	L5φJ ϕ-CO- 3 & S 2				
<b>Evaluation</b>	A				

<b>C<sub>15</sub>H<sub>15</sub>Y</b> (c)		82SHE/KAM	<b>C<sub>15</sub>H<sub>21</sub>AlO<sub>6</sub></b> (c)		81TEG/FER
Tricyclopentadienyl yttrium			Aluminum acetylacetone		
<b>Heat Capacity</b> 298.15 K,	$C_p = 289.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 298 K,	$C_p = 321.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 4.5 to 300 K.			Temperature range 4.2 to 450 K.		
<b>Entropy</b> 298.15 K,	$S = 301.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Entropy</b> 298 K,	$S = 479.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Phase Changes</b>			<b>Molecular Weight</b> 324.3088		
c,l/c,I	265–280 K		<b>Wiswesser Line Notation</b> D6O-AL-O ADJ D1 F1 B-& BD6O-AL-O ADJ D1 F1 B-& BD6O-AL-O ADJ D1 F1 B-& BD6O-AL-O ADJ D1 F1 B-&		
Order-disorder transition.			<b>Evaluation</b> B		
<b>Molecular Weight</b> 284.1894					
<b>Wiswesser Line Notation</b> L5φJ φ-Y- φL5φJ &φL5φJ					
<b>Evaluation</b> A					
<b>C<sub>15</sub>H<sub>16</sub></b> (liq)		56MCE	<b>C<sub>15</sub>H<sub>21</sub>AlO<sub>6</sub></b> (c)		86GRI/LAZ
p-Isopropylbiphenyl			Aluminum acetylacetone		
<b>Heat Capacity</b> 422 K,	$C_p = 421.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Phase Changes</b>		
Temperature range 300 to 600 °C.			c/liq	466.7 K,	$\Delta H = 33700 \text{ J}\cdot\text{mol}^{-1}$
<b>Molecular Weight</b> 196.2914					$\Delta S = 72.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Wiswesser Line Notation</b> 1Y1&R DR			<b>Molecular Weight</b> 324.3088		
<b>Evaluation</b> C			<b>Wiswesser Line Notation</b> D6O-AL-O ADJ D1 F1 B-& BD6O-AL-O ADJ D1 F1 B-& BD6O-AL-O ADJ D1 F1 B-& BD6O-AL-O ADJ D1 F1 B-&		
Quoted in 58WAL/BRO.			<b>Evaluation</b> A		
<b>C<sub>15</sub>H<sub>16</sub></b> (liq)		63VAR/KOP	<b>C<sub>15</sub>H<sub>21</sub>CrO<sub>6</sub></b> (c)		86GRI/LAZ
Isopropylbiphenyl			Chromium acetylacetone		
<b>Heat Capacity</b> 295 K,	$C_p = 343.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Phase Changes</b>		
Temperature range 293 to 670 K. Value is unsmoothed experimental datum.			c/liq	481.9 K,	$\Delta H = 34000 \text{ J}\cdot\text{mol}^{-1}$
<b>Molecular Weight</b> 196.2914					$\Delta S = 69.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Wiswesser Line Notation</b> 1Y1&R XR			<b>Molecular Weight</b> 349.3233		
<b>Evaluation</b> B			<b>Wiswesser Line Notation</b> D6O-CR-O ADJ D1 F1 B-& BD6O-CR-O ADJ D1 F1 B-& BD6O-CR-O ADJ D1 F1		
Probably the para isomer.			<b>Evaluation</b> A		
<b>C<sub>15</sub>H<sub>16</sub></b> (liq)		64VUK/RAS	<b>C<sub>15</sub>H<sub>21</sub>FeO<sub>6</sub></b> (c)		87ZHI/KAR
Isopropylbiphenyl			Iron (III) acetylacetone		
<b>Heat Capacity</b> 298 K,	$C_p = 338.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K,	$C_p = 429.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 38 to 212 °C.			Temperature range 13 to 310 K.		
<b>Molecular Weight</b> 196.2914			<b>Entropy</b> 298.15 K,	$S = 526.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Wiswesser Line Notation</b> 1Y1&R XR			<b>Molecular Weight</b> 353.1743		
<b>Evaluation</b> C			<b>Wiswesser Line Notation</b> D6O-FE-O ADJ D1 F1 B-& BD6O-FE-O ADJ D1 F1 B-& BD6O-FE-O ADJ D1 F1		
Probably the para isomer.			<b>Evaluation</b> A		
<b>C<sub>15</sub>H<sub>16</sub>N<sub>2</sub>O<sub>3</sub></b> (liq)		38KRE	<b>(C<sub>15</sub>H<sub>21</sub>N<sub>3</sub>O·HBr)<sub>n</sub></b> (c)		91ROL
p-Azoxyanisoylphenetole			Poly-L-lysine hydrobromide· phenylalanine copolymer		
<b>Heat Capacity</b> 420 K,	$C_p = 594 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 300 K,	$C_p = 366.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Value a few degrees below anisotropic-isotropic liquid-liquid transition at 428 K.			Temperature range 220 to 390 K.		
<b>Molecular Weight</b> 272.3030			<b>Molecular Weight</b> 356.2617		
<b>Wiswesser Line Notation</b> 2OR DNO&UNR DO!			<b>Wiswesser Line Notation</b> /*VY4Z &EH &MVYM*&IR -L		
<b>Evaluation</b> C			<b>Evaluation</b> B		
<b>C<sub>15</sub>H<sub>16</sub>O</b> (c)		57MAS	<b>(C<sub>15</sub>H<sub>21</sub>N<sub>3</sub>O·HBr)<sub>n</sub></b> (c)		93ROL/WUN
p- $\alpha$ -Cumylphenol			Poly-L-lysine hydrobromide· phenylalanine copolymer		
<b>Phase Changes</b>			<b>Heat Capacity</b> 300 K,	$C_p = 366.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
c/liq	346.40 K,	$\Delta H = 21677 \text{ J}\cdot\text{mol}^{-1}$	Temperature range 220 to 390 K.		
<b>Molecular Weight</b> 212.2908			<b>Molecular Weight</b> 356.2617		
<b>Wiswesser Line Notation</b> QR DX1&I&R			<b>Wiswesser Line Notation</b> /*VY4Z &EH &MVYM*&IR -L		
<b>Evaluation</b> A			<b>Evaluation</b> B		
<b>C<sub>15</sub>H<sub>16</sub>O<sub>2</sub></b> (c)		85NOV/TSV	<b>C<sub>15</sub>H<sub>26</sub></b> (liq)		63GUD/CAM
4,4'-Dihydroxydiphenyl-2,2-propane			1,3-Dicyclopentylcyclopentane		
<b>Heat Capacity</b> 298.15 K,	$C_p = 287.72 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 313 K,	$C_p = 363.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 14 to 480 K.			Temperature range 313 to 583 K.		
<b>Entropy</b> 298.15 K,	$S = 287.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Molecular Weight</b> 206.3704		
<b>Phase Changes</b>			<b>Wiswesser Line Notation</b> L5TJ A CL5TJ A- AL5TJ		
c/liq	433 K.	$\Delta H = 30100 \text{ J}\cdot\text{mol}^{-1}$	<b>Evaluation</b> C		
		$\Delta S = 69.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
<b>Molecular Weight</b> 228.2902					
<b>Wiswesser Line Notation</b> QR DX1&I&R DQ					
<b>Evaluation</b> A					

$C_{15}H_{26}BrN$ (c)		89VAN/WHI	$C_{15}H_{28}$ (liq)		62GOL/BEI
9-Phenylnonylammonium bromide			1,2-Dicyclohexylpropane		
<b>Phase Changes</b>			<b>Heat Capacity</b>	422 K,	$C_p = 497.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c,II/c,I	309 K,	$\Delta H = 8930 \text{ J}\cdot\text{mol}^{-1}$	One temperature.		
		$\Delta S = 3.48 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Molecular Weight</b>	208.3862	
<b>Molecular Weight</b>	300.2811		<b>Wiswesser Line Notation</b>	L6TJ AY1&1- AL6TJ	
<b>Wiswesser Line Notation</b>	Z9R &EH		<b>Evaluation</b>	C	
<b>Evaluation</b>	A				
$C_{15}H_{26}ClN$ (c)		89VAN/WHI	$C_{15}H_{28}$ (liq)		63GUD/CAM
9-Phenylnonylammonium chloride			1,2-Dicyclohexylpropane		
<b>Phase Changes</b>			<b>Heat Capacity</b>	313 K,	$C_p = 398.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c,III/c,II	320 K,	$\Delta H = 10000 \text{ J}\cdot\text{mol}^{-1}$	Temperature range 313 to 583 K.		
		$\Delta S = 3.82 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Molecular Weight</b>	208.3862	
c,II/c,I	331 K,	$\Delta H = 7590 \text{ J}\cdot\text{mol}^{-1}$	<b>Wiswesser Line Notation</b>	L6TJ AY1&1- AL6TJ	
		$\Delta S = 2.54 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Evaluation</b>	C	
<b>Molecular Weight</b>	255.8301				
<b>Wiswesser Line Notation</b>	Z9R &GH				
<b>Evaluation</b>	A				
$C_{15}H_{26}O_6$ (liq)		76PHI/MAT	$C_{15}H_{28}$ (liq)		62GOL/BEI
Tributyrin; Glycerol tributyrate			Cyclohexyl(2-ethylcyclohexyl)methane		
<b>Heat Capacity</b>	313 K,	$C_p = 569 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	311 K,	$C_p = 411.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 313 to 413 K.			Temperatures 100, 200, 300 °F.		
<b>Molecular Weight</b>	302.3668		<b>Molecular Weight</b>	208.3862	
<b>Wiswesser Line Notation</b>	3VO1YOV3&1OV3		<b>Wiswesser Line Notation</b>	L6TJ B2 A1- AL6TJ	
<b>Evaluation</b>	C		<b>Evaluation</b>	C	
$C_{15}H_{26}O_6$ (liq)		86NIL/WAD	$C_{15}H_{28}$ (liq)		62GOL/BEI
Tributyrin; Glycerol tributyrate			Isopropylbicyclohexyl		
<b>Heat Capacity</b>	298.15 K,	$C_p = 555.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	311 K,	$C_p = 417.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
One temperature.			Temperatures 100, 200, 300 °F.		
<b>Molecular Weight</b>	302.3668		<b>Molecular Weight</b>	208.3862	
<b>Wiswesser Line Notation</b>	3VO1YOV3&1OV3		<b>Wiswesser Line Notation</b>	L6TJ XY1&1 A- AL6TJ	
<b>Evaluation</b>	A		<b>Evaluation</b>	C	
$C_{15}H_{28}$ (liq)		63GUD/CAM	$C_{15}H_{28}O$ (liq)		88BAG/GUF
2-Isopropylbicyclohexyl			3,7,11-Trimethyl-1-dodecyn-3-ol		
<b>Heat Capacity</b>	313 K,	$C_p = 418.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	313.15 K,	$C_p = 574.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 313 to 483 K.			Temperature range 270 to 340 K. Unsmoothed experimental datum.		
<b>Molecular Weight</b>	208.3862		<b>Molecular Weight</b>	224.3856	
<b>Wiswesser Line Notation</b>	L6TJ A- BL6TJ AY1&1		<b>Wiswesser Line Notation</b>	1Y3Y3XQ1UU1	
<b>Evaluation</b>	C		<b>Evaluation</b>	B	
$C_{15}H_{28}$ (liq)		63GUD/CAM	$C_{15}H_{28}O_2$ (c)		81LEB/YEV
2-Ethylbicyclohexylmethane			Pentadecanolactone		
<b>Heat Capacity</b>	313 K,	$C_p = 384.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p = 444.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 313 to 483 K.			Temperature range 13.8 to 330 K.		
<b>Molecular Weight</b>	208.3862		<b>Entropy</b>	298.15 K.	$S = 482.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Wiswesser Line Notation</b>	L6TJ A- BL6TJ A2		<b>Phase Changes</b>		
<b>Evaluation</b>	C		c,II/c,I	282.98 K,	$\Delta H = 27301 \text{ J}\cdot\text{mol}^{-1}$
 					$\Delta S = 96.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
$C_{15}H_{28}$ (liq)		63GUD/CAM	c,I/liq	308.5 K,	$\Delta H = 6979 \text{ J}\cdot\text{mol}^{-1}$
Cyclohexyl(ethylcyclohexyl)methane					$\Delta S = 22.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Heat Capacity</b>	313 K,	$C_p = 402.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Molecular Weight</b>	240.3850	
Temperature range 313 to 483 K.			<b>Wiswesser Line Notation</b>	T-16-VOTJ	
<b>Molecular Weight</b>	208.3862		<b>Evaluation</b>	A	
<b>Wiswesser Line Notation</b>	L6TJ A1- XL6TJ A2				
<b>Evaluation</b>	C				

<b>C<sub>15</sub>H<sub>28</sub>O<sub>2</sub></b> (c)				
Pentadecanolactone				
<b>Heat Capacity</b>	298.15 K, Temperature range 5 to 330 K.	$C_p = 444.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>C<sub>15</sub>H<sub>30</sub>O<sub>2</sub></b> (liq)	79FUC
<b>Entropy</b>	298.15 K,	$S = 482.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Methyl tetradecanoate; Methyl myristate	
<b>Phase Changes</b>			<b>Heat Capacity</b>	298.15 K, $C_p = 505.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c,II/c,I	282.98 K,	$\Delta H = 27300 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 96.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	One temperature.	
c,I/liq	308.5 K,	$\Delta H = 6980 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 22.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b>	242.4008
c,I''/c,I'	193 K,	$\Delta H = 0 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Wiswesser Line Notation</b>	13VO1
<b>Molecular Weight</b>	240.3850		<b>Evaluation</b>	B
<b>Wiswesser Line Notation</b>	T-16-VOTJ			
<b>Evaluation</b>	A			
Thermodynamic functions are also given for the c,I' and the c,I'' states from 5 to 282.98 K.				
<b>(C<sub>15</sub>H<sub>28</sub>O<sub>2</sub>)<sub>n</sub></b> (c)		83YEV/LEB	<b>C<sub>15</sub>H<sub>30</sub>O<sub>4</sub></b> (c)	65SIL/DAU
Polypentadecanolactone			2-Monolaurin	
<b>Heat Capacity</b>	298.15 K, Temperature range 5 to 370.4 K.	$C_p = 369.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298 K, $C_p = 436.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Entropy</b>	298.15 K,	$S = 397.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	One temperature.	
<b>Phase Changes</b>			<b>Molecular Weight</b>	274.3996
c/liq	370.4 K,	$\Delta H = 56000 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 151 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Wiswesser Line Notation</b>	Q1Y1QOV11
100% crystallinity			<b>Evaluation</b>	B
gls/h.e.	251 K,	$\Delta H = 0 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	$\beta_L$ form.	
Glass to high-elastic state.				
<b>Molecular Weight</b>	240.3850			
<b>Wiswesser Line Notation</b>	/*MV14*/			
<b>Evaluation</b>	A			
<b>C<sub>15</sub>H<sub>30</sub></b> (liq)		65MES/TOD2	<b>C<sub>15</sub>H<sub>32</sub></b> (liq)	54FIN/GRO2
n-Decylcyclopentane			n-Pentadecane	
<b>Heat Capacity</b>	298.15 K, Temperature range 12 to 370 K.	$C_p = 426.52 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K, $C_p = 469.95 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Entropy</b>	298.15 K,	$S = 538.52 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	One temperature.	
<b>Phase Changes</b>			<b>Entropy</b>	298.15 K, $S = 587.52 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c/liq	251.02 K,	$\Delta H = 33125 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 132.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Phase Changes</b>	
<b>Molecular Weight</b>	210.4020		c,II/c,I	270.9 K, $\Delta H = 9167 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 33.84 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b>	L5TJ A10		c,I/liq	283.11 K, $\Delta H = 34593 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 122.19 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Evaluation</b>	A		<b>Molecular Weight</b>	212.4178
			<b>Wiswesser Line Notation</b>	15H
			<b>Evaluation</b>	A
<b>C<sub>15</sub>H<sub>30</sub>O</b> (c)		79SUN/SVE	<b>C<sub>15</sub>H<sub>32</sub></b> (liq)	81GRO/ING
2-Pentadecanone; Tridecyl methyl ketone			n-Pentadecane	
<b>Heat Capacity</b>	298.15 K, $C_p = 426.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b>	298.15 K, $C_p = 467.81 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 285 to 343 K. Equations only.			One temperature.	
<b>Phase Changes</b>			<b>Molecular Weight</b>	212.4178
c/liq	312.2 K,	$\Delta H = 54570 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 174.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Wiswesser Line Notation</b>	15H
<b>Molecular Weight</b>	226.4014		<b>Evaluation</b>	B
<b>Wiswesser Line Notation</b>	13V1			
<b>Evaluation</b>	B			
<b>C<sub>15</sub>H<sub>30</sub>O<sub>2</sub></b> (c)		82SCH/MIL	<b>C<sub>15</sub>H<sub>32</sub></b> (liq)	88COS/HUU
Pentadecanoic acid			n-Pentadecane	
<b>Heat Capacity</b>	298.15 K, Temperature range 80 to 345 K.	$C_p = 443.28 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K, $C_p = 468.81 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Phase Changes</b>			One temperature.	
c,II/c,I	318.7 K,	$\Delta H = 8123 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 25.47 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b>	212.4178
c,I/liq	325.68 K,	$\Delta H = 41526 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 127.50 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Wiswesser Line Notation</b>	15H
<b>Molecular Weight</b>	242.4008		<b>Evaluation</b>	B
<b>Wiswesser Line Notation</b>	QV14			
<b>Evaluation</b>	B			
<b>C<sub>15</sub>H<sub>30</sub>O<sub>2</sub></b> (c)			<b>C<sub>15</sub>H<sub>32</sub></b> (liq)	91TRE/COS
Pentadecanolactone			n-Pentadecane	
<b>Heat Capacity</b>	298.15 K, Temperature range 80 to 345 K.	$C_p = 444.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K, $C_p = 470.48 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Phase Changes</b>			One temperature.	
c,II/c,I	318.7 K,	$\Delta H = 27300 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 96.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b>	212.4178
c,I/liq	325.68 K,	$\Delta H = 6980 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 22.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Wiswesser Line Notation</b>	15H
<b>Molecular Weight</b>	240.3850		<b>Evaluation</b>	B
<b>Wiswesser Line Notation</b>	T-16-VOTJ			
<b>Evaluation</b>	B			

<b>C<sub>15</sub>H<sub>32</sub>O</b> (c)	
1-Pentadecanol; n-Pentadecyl alcohol	
<b>Heat Capacity</b>	298.15 K,
Temperature range 295 to 308 K.	
<b>Phase Changes</b>	
c, $\beta$ /c, $\alpha$	316.2 K,
$\Delta H = 23650 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
c, $\beta$ /liq	316.6 K,
$\Delta H = 54720 \text{ J}\cdot\text{mol}^{-1}$	
c, $\alpha$ /liq	316.9 K,
$\Delta H = 30350 \text{ J}\cdot\text{mol}^{-1}$	
$\Delta S = 95.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Molecular Weight</b>	228.4172
<b>Wiswesser Line Notation</b>	Q15
<b>Evaluation</b>	B

<b>C<sub>15</sub>H<sub>32</sub>O</b> (c)	
1-Pentadecanol; n-Pentadecyl alcohol	
<b>Heat Capacity</b>	318 K,
Temperature range 318 to 346 K.	
<b>Molecular Weight</b>	228.4172
<b>Wiswesser Line Notation</b>	Q15
<b>Evaluation</b>	B

<b>C<sub>15</sub>H<sub>32</sub>O</b> (c)	
1-Pentadecanol; n-Pentadecyl alcohol	
<b>Heat Capacity</b>	358 K,
Temperature range 358 to 608 K.	
<b>Molecular Weight</b>	228.4172
<b>Wiswesser Line Notation</b>	Q15
<b>Evaluation</b>	B

<b>C<sub>15</sub>H<sub>32</sub>O</b> (liq)	
1-Pentadecanol; n-Pentadecyl alcohol	
<b>Heat Capacity</b>	323.15 K,
Temperature range 323 to 573 K.	
<b>Molecular Weight</b>	228.4172
<b>Wiswesser Line Notation</b>	Q15
<b>Evaluation</b>	B

<b>C<sub>15</sub>H<sub>32</sub>O<sub>6</sub></b> (liq)	
Pentapropylene glycol	
<b>Heat Capacity</b>	298 K,
Temperature range 298, 323, 363 K.	
<b>Molecular Weight</b>	308.4142
<b>Wiswesser Line Notation</b>	QYOYOYOYOQ
<b>Evaluation</b>	B

<b>C<sub>15</sub>H<sub>36</sub>Br<sub>2</sub>N<sub>2</sub></b> (c)	
1,3-Bis(triethylammonium)propane dibromide	
<b>Heat Capacity</b>	298 K,
Temperature range 273 to 373 K.	
<b>Molecular Weight</b>	404.2708
<b>Wiswesser Line Notation</b>	2K2&2&3K2&2&2 &E &E
<b>Evaluation</b>	B

74MOS/MOU	<b>C<sub>16</sub>F<sub>34</sub></b> (c)	93LEB/BYK
$C_p = 400 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	n-Perfluorohexadecane	
<b>Heat Capacity</b>	298.15 K,	$C_p = 772.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 0 to 320 K.		
<b>Entropy</b>	298.15 K,	$S = 990.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Phase Changes</b>		
c,IV/c,III	175.47 K	$\Delta H = 870 \text{ J}\cdot\text{mol}^{-1}$
c,III/c,II	177.34 K	$\Delta S = 4.97 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
		$\Delta H = 1880 \text{ J}\cdot\text{mol}^{-1}$
		$\Delta S = 10.68 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
	<b>Molecular Weight</b>	838.1216
	Wiswesser Line Notation	XFFFXXFFXFFXFFFXXXXFFF
	<b>Evaluation</b>	A

74MOS/MOU	<b>C<sub>16</sub>H<sub>6</sub>O<sub>7</sub></b> (c)	73KAR/MOC
$C_p = 535 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	Bis-(3-phthalyl anhydride) ether	
<b>Heat Capacity</b>	300 K,	$C_p = 311.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 20 to 300 K.		
<b>Entropy</b>	300 K,	$S = 319.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b>	310.2192	
<b>Wiswesser Line Notation</b>	T56 BVOVJ GO- GT56 BVOVJ	
<b>Evaluation</b>	A	

82VAS/PET	<b>C<sub>16</sub>H<sub>6</sub>O<sub>8</sub>S</b> (c)	73KAR/MOC
$C_p = 537.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	Bis-(3-phthalyl anhydride) sulfone	
<b>Heat Capacity</b>	300 K,	$C_p = 360.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 20 to 300 K.		
<b>Entropy</b>	300 K,	$S = 360.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b>	358.2786	
<b>Wiswesser Line Notation</b>	T56 BVOVJ GSW- GT56 BVOVJ	
<b>Evaluation</b>	A	

89KHA/ZYK	<b>(C<sub>16</sub>H<sub>8</sub>D<sub>8</sub>)<sub>n</sub></b> (gls)	83LEB/SMI
$C_p = 567.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	Polystyrene-polystyrene-d <sub>8</sub> copolymer	
<b>Heat Capacity</b>	298.15 K,	$C_p = 279.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 7 to 330 K.		
<b>Entropy</b>	298.15 K,	$S = 291.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b>	216.3656	
<b>Wiswesser Line Notation</b>	/*YR&1*/ & /*YR&1*/ /&1/2-BCDEF/4-H-2 8	
<b>Evaluation</b>	A	

<b>C<sub>16</sub>H<sub>8</sub>N<sub>4</sub></b> (c)	Naphthalene-tetracyanoethylene adduct	79BOE/WES
<b>Heat Capacity</b>	Temperature range 5 to 300 K. Data graphically only.	
<b>Phase Changes</b>		
c,III/c,II	160 K,	$\Delta S = 5.10 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
	Bifurcated peak. Transition region 150 to 172.5 K.	
c,II/c,I	222 K,	$\Delta S = 5.02 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
	Extended transition. Transition region 172.5 to 240 K.	
<b>Molecular Weight</b>	256.2600	
<b>Wiswesser Line Notation</b>	L66J & NCYCN&UYCN&CN	
<b>Evaluation</b>	A	

<b>C<sub>16</sub>H<sub>8</sub>N<sub>4</sub></b> (c)	80BOE/WES	(C <sub>16</sub> H <sub>10</sub> Ge) <sub>n</sub> (gls)	77LEB/RAB
Naphthalene-tetracyanoethylene adduct		Polydiphenyldiethynylgermanium	
<b>Heat Capacity</b> 298.15 K,	$C_p = 328.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p = 279.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 5 to 300 K.		Temperature range 50 to 325 K.	
<b>Entropy</b> 298.15 K,	$S = 384.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b> 274.8650	
<b>Phase Changes</b>		<b>Wiswesser Line Notation</b> /*1UU1-GE-R&R&1UU1*/	
c,III/c,II	160 K,	<b>Evaluation</b> B	
	$\Delta H = 822.6 \text{ J} \cdot \text{mol}^{-1}$		
	$\Delta S = 5.10 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
c,II/c,I	240 K,		
	$\Delta H = 1029 \text{ J} \cdot \text{mol}^{-1}$		
	$\Delta S = 5.02 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
c,III/c,II:			
region from 150 to 172.5 K;			
c,II/c,I:			
region from 172.5 to 240 K.			
<b>Molecular Weight</b> 256.2600			
<b>Wiswesser Line Notation</b> L66J &NCYCN&UYCN&CN			
<b>Evaluation</b>	A		
<b>C<sub>16</sub>H<sub>10</sub></b> (c)	71WON/WES	(C <sub>16</sub> H <sub>10</sub> Si) <sub>n</sub> (c)	73LEB/TSV2
Fluoranthene; Idryl; 1,2-Benzacenaphthene		Polydiphenyldiethynylsilane	
<b>Heat Capacity</b> 298.15 K,	$C_p = 230.25 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 300 K,	$C_p = 309.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 5 to 427 K.		Temperature range 10 to 300 K.	
<b>Entropy</b> 298.15 K,	$S = 230.58 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Entropy</b> 300 K,	$S = 286.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Phase Changes</b>		<b>Molecular Weight</b> 230.3405	
c/liq	383.36 K,	<b>Wiswesser Line Notation</b> /*1UU1-SI-R&R&1UU1*/	
	$\Delta H = 18728 \text{ J} \cdot \text{mol}^{-1}$	<b>Evaluation</b> A	
	$\Delta S = 48.85 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
<b>Molecular Weight</b> 202.2550			
<b>Wiswesser Line Notation</b> L C6566 1A PJ			
<b>Evaluation</b>	A		
<b>C<sub>16</sub>H<sub>10</sub></b> (c)	34JAC/PAR	(C <sub>16</sub> H <sub>10</sub> Si) <sub>n</sub> (c)	74MIL/LEB
Pyrene; Benzo(d,e,f)phenanthrene		Polydiphenyldiethynylsilane	
<b>Heat Capacity</b> 291.1 K,	$C_p = 227.65 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 300 K,	$C_p = 309.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 94 to 292 K. Value is unsmoothed experimental datum.		Temperature range 300 to 330 K.	
<b>Entropy</b> 298.1 K,	$S = 215.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Entropy</b> 300 K,	$S = 286.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Extrapolation below 90 K, 59.79 $\text{J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ . Hump in $C_p$ curve around 116 K, probably 2nd order transition. $\Delta H = 100 \text{ J} \cdot \text{mol}^{-1}$ .		<b>Molecular Weight</b> 230.3405	
<b>Molecular Weight</b> 202.2550		<b>Wiswesser Line Notation</b> /*1UU1-SI-R&R&1UU1*/	
<b>Wiswesser Line Notation</b> L666 B6 2AB PJ		<b>Evaluation</b> B	
<b>Evaluation</b>	B( $C_p$ ),C(S)		
<b>C<sub>16</sub>H<sub>10</sub></b> (c)	71WON/WES	<b>C<sub>16</sub>H<sub>11</sub>N<sub>3</sub>O<sub>6</sub></b> (c)	80RAD/RAD
Pyrene; Benzo(d,e,f)phenanthrene		Naphthalene-1,3,5-trinitrobenzene adduct	
<b>Heat Capacity</b> 298.15 K,	$C_p = 229.70 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p = 233.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 5 to 484 K.		Temperature range 220 to 400 K. Data given graphically. $C_p$ calculated from equation.	
<b>Entropy</b> 298.15 K,	$S = 224.89 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Phase Changes</b>	
<b>Phase Changes</b>		c,III/c,II	$\Delta H = 1700 \text{ J} \cdot \text{mol}^{-1}$
c,II/c,I	120.8 K,		$\Delta S = 7.22 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
	$\Delta H = 289 \text{ J} \cdot \text{mol}^{-1}$	c,II/c,I	$\Delta H = 1598 \text{ J} \cdot \text{mol}^{-1}$
c,I/liq	423.81 K,		$\Delta S = 3.77 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
	$\Delta H = 17364 \text{ J} \cdot \text{mol}^{-1}$	c,I/liq	$\Delta H = 31900 \text{ J} \cdot \text{mol}^{-1}$
	$\Delta S = 40.97 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		$\Delta S = 74.05 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b> 202.2550		<b>Molecular Weight</b> 341.2794	
<b>Wiswesser Line Notation</b> L666 B6 2AB PJ		<b>Wiswesser Line Notation</b> L66J &WNR CNW ENW	
<b>Evaluation</b>	A	<b>Evaluation</b> B	
<b>C<sub>16</sub>H<sub>10</sub></b> (c)	80SMI/STE	<b>C<sub>16</sub>H<sub>11</sub>N<sub>3</sub>O<sub>7</sub></b> (c)	79FAR/SHA
Pyrene; Benzo(d,e,f)phenanthrene		Naphthalene picric acid	
<b>Heat Capacity</b> 298.15 K,	$C_p = 229.36 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Phase Changes</b>	
One temperature.		c/liq	$\Delta H = 34700 \text{ J} \cdot \text{mol}^{-1}$
<b>Molecular Weight</b> 202.2550			$\Delta S = 81.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b> L666 B6 2AB PJ		<b>Molecular Weight</b> 357.2788	
<b>Evaluation</b>	C	<b>Wiswesser Line Notation</b> L66J &WNR BQ CNW ENW	
 		<b>Evaluation</b> B	
<b>C<sub>16</sub>H<sub>12</sub>Ge</b> (c)	80RAD/RAD	<b>C<sub>16</sub>H<sub>12</sub>Ge</b> (c)	75LEB/MIL4
Diethynylidiphenylgermane		<b>Heat Capacity</b> 298.15 K,	$C_p = 305.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
		Temperature range 8.4 to 326 K. Deposited in VINITI, No 605-75, 10 March 1975.	
<b>Entropy</b> 298.15 K,	$S = 356.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Entropy</b> 298.15 K,	$S = 356.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Phase Changes</b>		c/liq	$\Delta H = 20100 \text{ J} \cdot \text{mol}^{-1}$
c,II/liq	319.94 K,		$\Delta S = 62.80 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b> 276.8608			
<b>Wiswesser Line Notation</b> 1UU1-GE-R&R&1UU1			
<b>Evaluation</b>	A		

<b>C<sub>16</sub>H<sub>12</sub>Ge</b> (c)		75LEB/MIL2	<b>C<sub>16</sub>H<sub>12</sub>Si</b> (c)		77MIL/LEB
Diethynylidiphenylgermane			Diphenyldiethynylsilane		
<b>Heat Capacity</b>	300 K, Temperature range 8 to 326 K.	$C_p = 307.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K, Temperature range 10 to 326 K.	$C_p = 305.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Entropy</b>	300 K,	$S = 358.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Entropy</b>	298.15 K,	$S = 345.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Phase Changes</b>			<b>Phase Changes</b>		
c/liq	319.94 K,	$\Delta H = 20100 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 62.80 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	c,II/c,I	209 K Crystal-glass transition.	
<b>Molecular Weight</b>	276.8608		c,I/liq	316.72 K,	$\Delta H = 22360 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 70.60 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b>	1UU1-GE-R&R&1UU1		<b>Molecular Weight</b>	232.3563	
<b>Evaluation</b>	A		<b>Wiswesser Line Notation</b>	1UU1-SI-R&R&1UU1	
<b>C<sub>16</sub>H<sub>12</sub>Ge</b> (c)		75LEB/MIL6	<b>Evaluation</b>	A	
Diethynylidiphenylgermane			<b>C<sub>16</sub>H<sub>14</sub></b> (c,II)		93CHI/KNI2
<b>Heat Capacity</b>	298.15 K, Temperature range 10 to 325 K.	$C_p = 305.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	4,5,9,10-Tetrahydronaphthalene		
<b>Entropy</b>	298.15 K,	$S = 356.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K, Temperature range 5 to 500 K.	$C_p = 257.12 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Phase Changes</b>			<b>Entropy</b>	298.15 K,	$S = 247.77 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c/liq	319.94 K,	$\Delta H = 20100 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 62.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Phase Changes</b>		
<b>Molecular Weight</b>	276.8608		c,III/c,II	319.9 K,	$\Delta H = 3670.9 \text{ J} \cdot \text{mol}^{-1}$
<b>Wiswesser Line Notation</b>	1UU1-GE-R&R&1UU1		c,II/c,I	385.1 K,	$\Delta H = 261.1 \text{ J} \cdot \text{mol}^{-1}$
<b>Evaluation</b>	A		c,I/liq	412.725 K,	$\Delta H = 17093.8 \text{ J} \cdot \text{mol}^{-1}$
<b>C<sub>16</sub>H<sub>12</sub>N<sub>7</sub></b> (c)		84ABR/BAI	<b>Molecular Weight</b>	206.2866	
Tetramethylammonium hexacyanotrimethylenecyclopropane			<b>Wiswesser Line Notation</b>	L666 B6 2AB PT&T&J	
<b>Heat Capacity</b>	295 K,	$C_p = 442.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Evaluation</b>	A	
Temperature range 233 to 393 K.			<b>C<sub>16</sub>H<sub>14</sub>O<sub>2</sub></b> (c,I)		30PAR/HUF2
<b>Phase Changes</b>			1,2-Dibenzoylethane		
c,II/c,I	363.7 K,	$\Delta H = 1350 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 3.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	296.0 K,	$C_p = 291.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	302.3177		Temperature range 93 to 296 K. Value is unsmoothed experimental datum.		
<b>Wiswesser Line Notation</b>	L3YYYJ AU1CN&CN BU1CN&CN CU1CN&CN &K1&1&1		<b>Entropy</b>	298.15 K,	$S = 324.79 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Evaluation</b>	B		Extrapolation below 90 K, 103.7 J·mol <sup>-1</sup> ·K <sup>-1</sup> .		
Treated as a second-order transition, the phase change gives a heat capacity discontinuity of 56 J·mol <sup>-1</sup> ·K <sup>-1</sup> at 363.7 K.			<b>Phase Changes</b>	c,II/c,I	$\Delta H = 218 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 1.17 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>C<sub>16</sub>H<sub>12</sub>O<sub>2</sub></b> (c)		30PAR/HUF2	<b>Molecular Weight</b>	238.2854	
Dibenzoylethylene			<b>Wiswesser Line Notation</b>	RV2VR	
<b>Heat Capacity</b>	291.9 K,	$C_p = 286.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Evaluation</b>	B(C <sub>p</sub> ),C(S)	
Temperature range 89 to 292 K. Value is unsmoothed experimental datum.			<b>C<sub>16</sub>H<sub>14</sub>O<sub>2</sub></b> (c)		32SPA/THO
<b>Entropy</b>	298.15 K,	$S = 319.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	1,2-Dibenzoylethane		
Extrapolation below 90 K, 104.1 J·mol <sup>-1</sup> ·K <sup>-1</sup> .			<b>Heat Capacity</b>	303 K,	$C_p = 302.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	236.2696		Temperature range 30 to 190 °C.		
<b>Wiswesser Line Notation</b>	RV1U1VR		<b>Phase Changes</b>	c/liq	$\Delta H = 38982 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 93.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Evaluation</b>	B(C <sub>p</sub> ),C(S)		<b>Molecular Weight</b>	238.2854	
<b>C<sub>16</sub>H<sub>12</sub>Si</b> (c)		74MIL/LEB	<b>Wiswesser Line Notation</b>	RV2VR	
Diphenyldiethynylsilane			<b>Evaluation</b>	B	
<b>Heat Capacity</b>	298.15 K, Temperature range 50 to 330 K.	$C_p = 312.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>(C<sub>16</sub>H<sub>14</sub>O<sub>3</sub>)<sub>n</sub></b> (c)		62DAI/EVA7
<b>Entropy</b>	298.15 K,	$S = 357.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Poly(4,4'-dioxyphenyl-2,2'-propane carbonate); Lexan polycarbonate		
<b>Phase Changes</b>			<b>Heat Capacity</b>	298.15 K,	$C_p = 300.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c/liq	316.24 K,	$\Delta H = 19673 \text{ J} \cdot \text{mol}^{-1}$	Temperature range 20 to 300 K.		
<b>Molecular Weight</b>	232.3563		<b>Entropy</b>	298.15 K,	$S = 315.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b>	1UU1-SI-R&R&1UU1		<b>Molecular Weight</b>	254.2848	
<b>Evaluation</b>	A		<b>Wiswesser Line Notation</b>	/*VOR DX1&1&R DO*/	
			<b>Evaluation</b>	A	

$(C_{16}H_{14}O_3)_n$ (c)	63ORE/KAR	$C_{16}H_{16}$ (c)	69SHI/MCN
Poly(4,4'-dioxyphenyl-2,2'-propane carbonate); Lexan polycarbonate		2,2-Paracyclophane; Cyclo-di-p-xylene	
<b>Heat Capacity</b>		<b>Heat Capacity</b>	$C_p=248.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 80 to 570 K. $C_p$ data given graphically only.		Temperature range 300, 318 K.	
<b>Phase Changes</b>		<b>Molecular Weight</b>	208.3024
gls/liq 450–520 K, $\Delta H=5894 \text{ J}\cdot\text{mol}^{-1}$		<b>Wiswesser Line Notation</b>	L F6 C-12-6 A B F- F-&T&J
Amorphous powder sample.		<b>Evaluation</b>	A
gls/liq 450–520 K, $\Delta H=8235 \text{ J}\cdot\text{mol}^{-1}$			
Solvent crystallized sample. (24% crystallinity).			
<b>Molecular Weight</b>	254.2848		
<b>Wiswesser Line Notation</b>	/*VOR DX1&1&R DO*/		
<b>Evaluation</b>	B		
T(glass)=410 to 415 K.			
$C_{16}H_{15}N$ (c)	91ASA/SOR	$C_{16}H_{16}$ (c)	70AND/WES
4'-Propylbiphenyl-4-carbonitrile		2,2-Paracyclophane; Cyclo-di-p-xylene	
<b>Heat Capacity</b>	298.15 K,	<b>Heat Capacity</b>	$C_p=252.34 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 5 to 380 K.		Temperature range 10 to 350 K.	
<b>Entropy</b>	298.15 K,	<b>Entropy</b>	$S=265.68 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Phase Changes</b>		<b>Phase Changes</b>	
c/liq 338.77 K, $\Delta H=22700 \text{ J}\cdot\text{mol}^{-1}$		Second order transition between 30 and 60 K.	
$\Delta S=67.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
<b>Molecular Weight</b>	221.3012	<b>Molecular Weight</b>	208.3024
<b>Wiswesser Line Notation</b>	NCR DR D3	<b>Wiswesser Line Notation</b>	L F6 C-12-6 A B F- F-&T&J
<b>Evaluation</b>	A	<b>Evaluation</b>	A
$C_{16}H_{15}NO_3$ (c)	87BYK/KIP	$C_{16}H_{16}$ (c)	73ROD/WES
3-Phenyl-5-phenoxyethyl-2-oxazolidinone		2,2-Paracyclophane; Cyclo-di-p-xylene	
<b>Heat Capacity</b>	298.15 K, $C_p=310.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	$C_p=252.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 0 to 330 K.		One temperature. $C_p$ given as $0.290 \text{ cal}\cdot\text{K}^{-1}\cdot\text{g}^{-1}$ .	
<b>Entropy</b>	298.15 K, $S=330.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Molecular Weight</b>	208.3024
<b>Molecular Weight</b>	269.2994	<b>Wiswesser Line Notation</b>	L F6 C-12-6 A B F- F-&T&J
<b>Wiswesser Line Notation</b>	T5NVOTJ AR D1OR	<b>Evaluation</b>	A
<b>Evaluation</b>	A		
$C_{16}H_{16}$ (c,II)	93CHI/KNI2	$C_{16}H_{16}N_2O_2$ (c)	67BAR/POR
1,2,3,6,7,8-Hexahydronaphthalene		Anisaldazine	
<b>Heat Capacity</b>	298.15 K, $C_p=255.54 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	
Temperature range 5 to 700 K.		$C_p$ data given graphically only. Temperature range 313 to 500 K.	
<b>Entropy</b>	298.15 K, $S=236.26 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Phase Changes</b>	
<b>Phase Changes</b>		c/liq 442.0 K, $\Delta H=29750 \text{ J}\cdot\text{mol}^{-1}$	
c,II/c,I 377.00 K, $\Delta H=9979.1 \text{ J}\cdot\text{mol}^{-1}$		$\Delta S=67.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
c,II/liq 407.635 K, $\Delta H=18093.2 \text{ J}\cdot\text{mol}^{-1}$			
<b>Molecular Weight</b>	208.3024	solid-nematic transition.	
<b>Wiswesser Line Notation</b>	L666 B6 2AB P&T&TJ	liq/liq 453.6 K, $\Delta H=661 \text{ J}\cdot\text{mol}^{-1}$	
<b>Evaluation</b>	A	$\Delta S=1.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Nematic-isotropic transition.</b>			
$C_{16}H_{16}$ (c)	69SHI/MCN	$C_{16}H_{18}N_2O_3$ (liq)	38KRE
2,2-Metaparacyclophane		p-Azoxyphephenol; 4,4'-Diethoxyazoxybenzene	
<b>Heat Capacity</b>	300 K, $C_p=261.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	$C_p=607 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
One temperature.		Value a few degrees below anisotropic-isotropic liquid-liquid transition at 436 K.	
<b>Molecular Weight</b>	208.3024	<b>Molecular Weight</b>	286.3298
<b>Wiswesser Line Notation</b>	L E6 B-10-6 E-&T&J	<b>Wiswesser Line Notation</b>	2OR DNUNU1R DO1
<b>Evaluation</b>	B	<b>Evaluation</b>	B
$C_{16}H_{16}$ (c)	69SHI/MCN	$C_{16}H_{18}N_2O_3$ (c)	93ACR/TUC
2,2-Metacyclophane		p-Azoxyphephenol; 4,4'-Diethoxyazoxybenzene	
<b>Heat Capacity</b>	300 K, $C_p=240.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Phase Changes</b>	
Temperature range 300, 318 K.		c/liq 406.5 K, $\Delta H=27000 \text{ J}\cdot\text{mol}^{-1}$	
<b>Molecular Weight</b>	208.3024	c/nematic.	
<b>Wiswesser Line Notation</b>	L E6 B-10-6 E-&T&J	liq/liq 438.5 K, $\Delta H=1700 \text{ J}\cdot\text{mol}^{-1}$	
<b>Evaluation</b>	B	Nematic/liq.	
<b>Molecular Weight</b>	286.3298	<b>Wiswesser Line Notation</b>	2OR DNUNU1R DO2
<b>Wiswesser Line Notation</b>	L E6 B-10-6 E-&T&J	<b>Evaluation</b>	A
<b>Evaluation</b>	B		

<b>C<sub>16</sub>H<sub>18</sub>N<sub>4</sub>O<sub>4</sub></b> (c)	73KAR/SAP3	<b>C<sub>16</sub>H<sub>22</sub>OSi<sub>2</sub></b> (liq)	86DZH/KUL
3,3-Bis(4-carboxyphenyl)phthalide dihydrazide		1,1,3,3-Tetramethyl-1,3-diphenyldisiloxane	
<b>Heat Capacity</b> 298 K,	$C_p = 460.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p = 508.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 20 to 298 K.		Temperature range 4 to 300 K. $C_p(c) = 40.76 + 1.51T - 5.428 \times 10^{-4}T^2$ (90 to 160 K); $C_p(\text{liq}) = 382.004 - 3.75 \times 10^{-2}T + 1.5144 \times 10^{-3}T^2$ (170 to 300 K).	
<b>Entropy</b> 298 K,	$S = 441.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Entropy</b> 298.15 K,	$S = 559.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b> 330.3426		<b>Phase Changes</b>	
<b>Wiswesser Line Notation</b> T56BVO EHJ ER DVMZ &ER DVMZ		c/liq 251 K	
<b>Evaluation</b> B		<b>Molecular Weight</b> 286.5202	
		<b>Wiswesser Line Notation</b> I-SI-1&R&O-SI-1&I&R	
		<b>Evaluation</b> A	
		T(glass)=167 K.	
<b>C<sub>16</sub>H<sub>18</sub>N<sub>8</sub></b> (c)	73KAR/SAP3	<b>C<sub>16</sub>H<sub>22</sub>O<sub>3</sub>Si<sub>3</sub></b> (c)	82KUL/DZF
1,3-Bis[5-(o-aminophenyl)-1,2,4-triazole-3-yl]benzene		Diphenyltetramethylcyclotrisiloxane	
<b>Heat Capacity</b> 298 K,	$C_p = 433.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p = 463.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 20 to 298 K.		Temperature range 4.2 to 370 K. Data given graphically except for data at 298.15 K.	
<b>Entropy</b> 298 K,	$S = 408.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Entropy</b> 298.15 K,	$S = 528.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b> 322.3718		<b>Phase Changes</b>	
<b>Wiswesser Line Notation</b> ZR B- CT5NN DMJ ER C- CT5NN		c.I/liq 337.98 K.	
DMJ ER BZ		$\Delta H = 22192 \text{ J}\cdot\text{mol}^{-1}$	
<b>Evaluation</b> B		$\Delta S = 65.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
		<b>Molecular Weight</b> 346.6045	
		<b>Wiswesser Line Notation</b> T6-SI-O-SI-O-SI-OTJ AR AR C1 C1 E1 E1	
		<b>Evaluation</b> B	
<b>C<sub>16</sub>H<sub>20</sub>Cr</b> (liq)	72NIK/SAF	<b>C<sub>16</sub>H<sub>22</sub>O<sub>4</sub></b> (liq)	69RAB/MAR
Bis(ethylbenzene)chromium		Dibutyl o-phthalate	
<b>Heat Capacity</b> 298.15 K,	$C_p = 393.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b> 300 K,	$C_p = 477.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 60 to 298.15 K.		Temperature range 60 to 360 K.	
<b>Entropy</b> 298.15 K,	$S = 406.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Entropy</b> 300 K,	$S = 933.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Phase Changes</b>		<b>Molecular Weight</b> 278.3474	
c/liq 275.6 K		<b>Wiswesser Line Notation</b> 4OVR BVO4	
<b>Molecular Weight</b> 264.3300		<b>Evaluation</b> C	
<b>Wiswesser Line Notation</b> L6φJ A2φ-CR- φL6φJ A2		Glass transition at 173.5 K; $\Delta H = 1238 \text{ J}\cdot\text{mol}^{-1}$ , $\Delta S = 4.77 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ .	
<b>Evaluation</b> B			
Data also given for glassy phase from 60 to 190 K.			
<b>C<sub>16</sub>H<sub>20</sub>CrI</b> (c)	72NIK/SAF	<b>C<sub>16</sub>H<sub>22</sub>O<sub>4</sub></b> (c)	70MAR/RAB
Bis(m-xylene)chromium iodide		Dibutyl o-phthalate	
<b>Heat Capacity</b> 298.15 K,	$C_p = 353.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b> 300 K,	$C_p = 477.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 60 to 298.15 K.		Temperature range 60 to 360 K.	
<b>Entropy</b> 298.15 K,	$S = 370.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Entropy</b> 300 K,	$S = 933.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b> 391.2345		<b>Molecular Weight</b> 278.3474	
<b>Wiswesser Line Notation</b> L6φJ A1 C1φ-CR- φL6φJ A1 C1 &I		<b>Wiswesser Line Notation</b> 4OVR BVO4	
<b>Evaluation</b> B		<b>Evaluation</b> B	
		T(glass)=173.5 °C.	
<b>C<sub>16</sub>H<sub>20</sub>N<sub>2</sub></b> (c)	84BER/BEC2	<b>C<sub>16</sub>H<sub>22</sub>O<sub>4</sub></b> (liq)	85RAB/NOV
Tetracyclopropylsuccinonitrile		Dibutyl o-phthalate	
<b>Heat Capacity</b> 298.15 K,	$C_p = 321.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p = 476.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
One temperature.		Temperature range 14 to 300 K.	
<b>Phase Changes</b>		<b>Entropy</b> 298.15 K,	$S = 561.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c/liq 390 K,	$\Delta H = 22301 \text{ J}\cdot\text{mol}^{-1}$	<b>Molecular Weight</b> 278.3474	
<b>Molecular Weight</b> 240.3474		<b>Wiswesser Line Notation</b> 4OVR BVO4	
<b>Wiswesser Line Notation</b>		<b>Evaluation</b> A	
<b>Evaluation</b> B		Data given for glassy state from 10 to 170 K. T(glass)=173.5 K.	
<b>C<sub>16</sub>H<sub>22</sub>OSi<sub>2</sub></b> (liq)	83DZH/KUL	<b>C<sub>16</sub>H<sub>22</sub>O<sub>11</sub></b> (c)	44CLA/STE
1,1,3,3-Tetramethyl-1,3-diphenyldisiloxane		α-Glucose pentaacetate (D)	
<b>Heat Capacity</b> 298.15 K,	$C_p = 508.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b> 298 K,	$C_p = 491.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 5 to 300 K.		One temperature.	
<b>Phase Changes</b>		<b>Molecular Weight</b> 390.3432	
c/liq 250 K		<b>Wiswesser Line Notation</b> T6OTJ BOV1 COV1 DOV1 EOV1 F1OV	
<b>Molecular Weight</b> 286.5202		-A&BCE -B&DF	
<b>Wiswesser Line Notation</b> I-SI-1&R&O-SI-1&I&R		<b>Evaluation</b> C	
<b>Evaluation</b> A			
T(glass)=167 K.			

$C_{16}H_{22}O_{11}$ (c)		44CLA/STE	$C_{16}H_{28}$ (liq)		63GUD/CAM
$\beta$ -Glucose pentaacetate (D)			2-Ethylperhydrophenanthrene		
<b>Heat Capacity</b> 298 K,	$C_p = 498.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 313 K,	$C_p = 402.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
One temperature.			Temperature range 313 to 483 K.		
<b>Molecular Weight</b> 390.3432			<b>Molecular Weight</b> 220.3972		
Wiswesser Line Notation T6OTJ BOV1 COV1 DOV1 EOVI F1OV1			Wiswesser Line Notation L B666 TJ E2		
-A&CE -B&BDF			<b>Evaluation</b> C		
<b>Evaluation</b> C					
$C_{16}H_{24}Si_8O_{12}$ (c)		85PAN/KOZ	$C_{16}H_{28}BrN$ (c)		89VAN/WHI
Octa(vinylsilyl)sesquioxane			10-Phenyldecylammonium bromide		
<b>Heat Capacity</b> 300 K,	$C_p = 760 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Phase Changes</b>		
Temperature range 160 to 300 K. $C_p$ value estimated from graphical data.			c,III/c,II 323 K, $\Delta H = 14200 \text{ J}\cdot\text{mol}^{-1}$	$\Delta S = 5.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Phase Changes</b>			c,II/c,I 369 K, $\Delta H = 16000 \text{ J}\cdot\text{mol}^{-1}$	$\Delta S = 5.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
c,II/c,I 229.6 K, $\Delta H = 9200 \text{ J}\cdot\text{mol}^{-1}$	$\Delta S = 40.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Molecular Weight</b> 314.3079		
<b>Molecular Weight</b> 633.0424			Wiswesser Line Notation Z10R &EH		
Wiswesser Line Notation T16 /-SIO-O-SI-O/ 4J C1U1 C1U1 G1U1			<b>Evaluation</b> A		
G1U1 K1U1 K1U1 O1U1 O1U1					
<b>Evaluation</b> C( $C_p$ ), B(Phase changes)					
$C_{16}H_{25}NO_2$ (c)		71PRI	$C_{16}H_{28}ClN$ (c)		89VAN/WHI
Nonyl N-phenylcarbamate			10-Phenyldecylammonium chloride		
<b>Heat Capacity</b> 298.15 K,	$C_p = 471.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Phase Changes</b>		
Temperature range 200 to 390 K. Complete data deposited in VINITI, No. 2713-71, 25 March 1971.			c,III/c,II 357 K, $\Delta H = 17700 \text{ J}\cdot\text{mol}^{-1}$	$\Delta S = 6.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Phase Changes</b>			c,II/c,I 368 K, $\Delta H = 7200 \text{ J}\cdot\text{mol}^{-1}$	$\Delta S = 2.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
c/liq 327 K, $\Delta H = 28054 \text{ J}\cdot\text{mol}^{-1}$	$\Delta S = 85.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Molecular Weight</b> 269.8569		
<b>Molecular Weight</b> 263.3790			Wiswesser Line Notation Z10R &GH		
Wiswesser Line Notation 90VMR			<b>Evaluation</b> A		
<b>Evaluation</b> B					
$C_{16}H_{26}$ (liq)		63GUD/CAM	$(C_{16}H_{28}O_8)_n$ (liq)		83SAN/CIO
1-Cyclohexyl-3-methylhydroindan			Diethylene glycol-trimethylolpropane-adipate polymer		
<b>Heat Capacity</b> 313 K,	$C_p = 400.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K, $C_p = 659 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		
Temperature range 313 to 483 K.			Temperature range 273.15 to 323.15 K. $C_p (\text{kJ}\cdot\text{kg}^{-1}\cdot\text{K}^{-1}) = 0.016882T - 3.143$		
<b>Molecular Weight</b> 218.3814			<b>Molecular Weight</b> 348.3924		
Wiswesser Line Notation L56TJ B1 D- AL6TJ			Wiswesser Line Notation /*O2O2OV4VO1X2&1Q&1O*/		
<b>Evaluation</b> C			<b>Evaluation</b> D		
			Authors did not provide formula for repeating unit of polymer; we have assumed: diethylene glycol-adipate-trimethylolpropane, as repeating unit.		
$C_{16}H_{27}N$ (c)		91ASA/SOR	$C_{16}H_{30}$ (liq)		63GUD/CAM
trans,trans-4'-Propylbicyclohexyl-4-carbonitrile			Cyclohexyl(isopropylcyclohexyl)methane		
<b>Heat Capacity</b> 298.15 K,	$C_p = 349.77 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 313 K, $C_p = 428.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		
Temperature range 5 to 380 K.			Temperature range 313 to 483 K.		
<b>Entropy</b> 298.15 K,	$S = 355.407 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Molecular Weight</b> 222.4130		
<b>Phase Changes</b>			Wiswesser Line Notation L6TJ A1- AL6TJ XY1&1		
c/liq 330.73 K, $\Delta H = 27000 \text{ J}\cdot\text{mol}^{-1}$	$\Delta S = 81.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Evaluation</b> C		
Crystal to nematic liquid.					
liq/liq 353.80 K, $\Delta H = 1800 \text{ J}\cdot\text{mol}^{-1}$	$\Delta S = 5.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$				
Nematic to isotropic liquid.					
<b>Molecular Weight</b> 234.1906					
Wiswesser Line Notation L6TJ DCN A- -L6TJ D3					
<b>Evaluation</b> A					
The metastable phase exhibits the phase sequence I to N to S(I) to S(II) to C on cooling. $\Delta H(329.62, S(\text{I}) \text{ to } \text{N}) = 5400 \text{ J}\cdot\text{mol}^{-1}$ ; $\Delta S = 16.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ .					
$C_{16}H_{30}$ (liq)		63GUD/CAM	$C_{16}H_{30}$ (liq)		63GUD/CAM
1,3-Dicyclohexylbutane			Cyclohexyl(isopropylcyclohexyl)methane		
<b>Heat Capacity</b> 313 K, $C_p = 359.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			<b>Heat Capacity</b> 313 K, $C_p = 428.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		
Temperature range 313 to 483 K.			Temperature range 313 to 483 K.		
<b>Molecular Weight</b> 222.4130			<b>Molecular Weight</b> 222.4130		
Wiswesser Line Notation L6TJ AY1&2- AL6TJ			Wiswesser Line Notation L6TJ AY1&2- AL6TJ		
<b>Evaluation</b> C			<b>Evaluation</b> C		

$C_{16}H_{30}Br_2N_2$ (c.II) 1,2-Bis(methyldiallylammmonium)ethane dibromide	74BUR/VER	$C_{16}H_{31}NaO_2$ (c) $\omega$ -Sodium palmitate	59WIR/DRC
<b>Heat Capacity</b> 298 K, $C_p=465.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Temperature range 273 to 373 K.		<b>Heat Capacity</b> 298.15 K, $C_p=495.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Temperature range 58 to 298 K.	
<b>Phase Changes</b> c.III/c.I 371 K, $\Delta H=3010 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=8.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Temperature range 370 to 372 K.		<b>Entropy</b> 298.15 K, $S=476.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Extrapolation below 50 K, 53.76 $\text{J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Molecular Weight</b> 410.2344		<b>Molecular Weight</b> 278.4095	
<b>Wiswesser Line Notation</b> 1U2K1&2U1&2K1&2U1&2U1 E2		<b>Wiswesser Line Notation</b> OV15 .NA	
<b>Evaluation</b> B		<b>Evaluation</b> B	
		Sample with 0.017 mol $H_2O$ . Correction of 0.8 $\text{J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ for $H_2O$ gives $S=475.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ for anhydrous salt.	
 $C_{16}H_{30}HgO_4$ (liq) Mercuric octanoate; Mercuric caprylate	78ADE	 $C_{16}H_{31}NaO_2\cdot0.01H_2O$ (c) $\beta$ -Sodium palmitate	59WIR/DRC
<b>Heat Capacity</b> 410 K, $C_p=635.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Temperature range 420 to 425 K. Mean value. Data graphically only for solid.		<b>Heat Capacity</b> 298.15 K, $C_p=462.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Temperature range 15 to 300 K.	
<b>Phase Changes</b> c/liq 387.2 K, $\Delta H=61500 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=158.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Entropy</b> 298.15 K, $S=472.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Molecular Weight</b> 487.0006		<b>Molecular Weight</b> 278.5896	
<b>Wiswesser Line Notation</b> OV15 .NA &QH 0.01		<b>Wiswesser Line Notation</b> OV15 .HG	
<b>Evaluation</b> C		<b>Evaluation</b> A	
 $C_{16}H_{30}O_4Pb$ (c) Lead(II) n-octanoate	76ADE/SIM	 $C_{16}H_{31}NaO_2\cdot0.409H_2O$ (c) $\beta$ -Sodium palmitate	59WIR/DRC
<b>Phase Changes</b> c/liq 352.5 K, $\Delta H=30000 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=89 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Crystal-smectic.		<b>Heat Capacity</b> 298.15 K, $C_p=481.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Temperature range 15 to 300 K.	
liq/liq 356.2 K, $\Delta H=7900 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=24.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Smectic-isomorphous.		<b>Entropy</b> 298.15 K, $S=499.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
liq/liq 381.2 K, $\Delta H=1200 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=3.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Isomorphous-liquid.		<b>Molecular Weight</b> 285.7777	
<b>Molecular Weight</b> 493.6106		<b>Wiswesser Line Notation</b> OV15 .NA &QH 0.409	
<b>Wiswesser Line Notation</b> OV15 .PB		<b>Evaluation</b> A	
<b>Evaluation</b> B			
 $C_{16}H_{30}O_4Zn$ (c) Zinc(II) n-octanoate	78KON/RUF	 $C_{16}H_{31}NaO_2\cdot0.482H_2O$ (c) $\epsilon$ -Sodium palmitate	59WIR/DRO
<b>Phase Changes</b> c.III/c.II 373 K, $\Delta H=1400 \text{ J}\cdot\text{mol}^{-1}$ c.II/c.I 379 K, $\Delta H=9200 \text{ J}\cdot\text{mol}^{-1}$ c.I/liq 413 K, $\Delta H=43000 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=104 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K, $C_p=476.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Temperature range 60 to 300 K.	
<b>Molecular Weight</b> 351.7906		<b>Entropy</b> 298.15 K, $S=500.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Extrapolation below 50 K, 58.12 $\text{J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ .	
<b>Wiswesser Line Notation</b> OV15 .ZN		<b>Molecular Weight</b> 287.0928	
<b>Evaluation</b> B		<b>Wiswesser Line Notation</b> OV15 .NA &QH 0.482	
		<b>Evaluation</b> A	
 $C_{16}H_{31}NaO_2$ (c) $\delta$ -Sodium palmitate	59WIR/DRO	 $C_{16}H_{31}NaO_2\cdot0.715H_2O$ (c) $\epsilon$ -Sodium palmitate	59WIR/DRO
<b>Heat Capacity</b> 298.15 K, $C_p=449.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Temperature range 58 to 298 K.		<b>Heat Capacity</b> 298.15 K, $C_p=501.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Temperature range 15 to 300 K.	
<b>Entropy</b> 298.15 K, $S=474.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Extrapolation below 50 K, 55.19 $\text{J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ .		<b>Entropy</b> 298.15 K, $S=518.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Molecular Weight</b> 278.4095		<b>Molecular Weight</b> 291.2904	
<b>Wiswesser Line Notation</b> OV15 .NA		<b>Wiswesser Line Notation</b> OV15 .NA &QH 0.715	
<b>Evaluation</b> B		<b>Evaluation</b> A	
 $C_{16}H_{31}O_2Tl$ (c) Thallium hexadecanoate	76MEI/SEY	 $C_{16}H_{31}O_2Tl$ (c) Thallium hexadecanoate	76MEI/SEY
<b>Phase Changes</b> liq/liq 450 K, $\Delta H=1381 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=3.05 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Mesophase-isotropic.			
c.II/c.I 327 K, $\Delta H=10878 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=33.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
c.I/liq 390 K, $\Delta H=8786 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=22.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Solid-mesophase.			
<b>Molecular Weight</b> 459.7897			
<b>Wiswesser Line Notation</b> OV15 .TL			
<b>Evaluation</b> B			

<b>C<sub>16</sub>H<sub>32</sub></b> (liq)		57MCC/FIN2	<b>C<sub>16</sub>H<sub>32</sub>O<sub>2</sub></b> (c)		52WAR/SIN
1-Hexadecene			Hexadecanoic acid; Palmitic acid		
<b>Heat Capacity</b>	298.15 K,	$C_p = 488.88 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298 K,	$C_p = 448 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range	11 to 360 K.		Temperature range	183 to 365 K. Three temperatures, each for solid and liquid and equations. C form.	
<b>Entropy</b>	298.15 K,	$S = 587.90 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Entropy</b>	298.6 K,	$S = 438.65 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Does not include S <sub>0</sub> .			Extrapolation below 90 K, 106.7 J·mol <sup>-1</sup> ·K <sup>-1</sup> .		
<b>Phase Changes</b>			<b>Phase Changes</b>		
c/liq	277.51 K,	$\Delta H = 30192 \text{ J}\cdot\text{mol}^{-1}$	c/liq	335.73 K,	$\Delta H = 54894 \text{ J}\cdot\text{mol}^{-1}$
		$\Delta S = 108.80 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			$\Delta S = 163.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b>	224.4288		<b>Molecular Weight</b>	256.4276	
<b>Wiswesser Line Notation</b>	15U1		<b>Wiswesser Line Notation</b>	QV15	
<b>Evaluation</b>	A		<b>Evaluation</b>	1CB(C <sub>p</sub> ),C(S)	
<b>C<sub>16</sub>H<sub>32</sub></b> (liq)		90MES/TOD	<b>C<sub>16</sub>H<sub>32</sub>O<sub>2</sub></b> (c)		56WIR/DRO
1-Hexadecene			Hexadecanoic acid; Palmitic acid		
<b>Heat Capacity</b>	298.15 K,	$C_p = 485.83 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p = 460.66 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range	10 to 400 K.		Temperature range	15 to 302 K.	
<b>Entropy</b>	298.15 K,	$S = 613.88 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Entropy</b>	298.15 K,	$S = 452.37 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Phase Changes</b>			<b>Molecular Weight</b>	256.4276	
c,III/c,II	217.7 K,	$\Delta H = 0 \text{ J}\cdot\text{mol}^{-1}$	<b>Wiswesser Line Notation</b>	QV15	
c,II/c,I	249.2 K,	$\Delta H = 3869.57 \text{ J}\cdot\text{mol}^{-1}$	<b>Evaluation</b>	A	
c,II/liq	277.396 K,	$\Delta S = 15.53 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
		$\Delta H = 30099.36 \text{ J}\cdot\text{mol}^{-1}$			
		$\Delta S = 108.51 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
<b>Molecular Weight</b>	224.4288		<b>C<sub>16</sub>H<sub>32</sub>O<sub>2</sub></b> (c)		67PAC
<b>Wiswesser Line Notation</b>	15U1		Hexadecanoic acid; Palmitic acid		
<b>Evaluation</b>	A		<b>Heat Capacity</b>	373 K,	$C_p = 678 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
			One temperature.		
<b>Phase Changes</b>			<b>Phase Changes</b>		
c/liq	271.43 K,	$\Delta H = 38597 \text{ J}\cdot\text{mol}^{-1}$	c/liq	336 K,	$\Delta H = 54935 \text{ J}\cdot\text{mol}^{-1}$
		$\Delta S = 142.20 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			$\Delta S = 163.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b>	224.4288		<b>Molecular Weight</b>	256.4276	
<b>Wiswesser Line Notation</b>	L6TJ A10		<b>Wiswesser Line Notation</b>	QV15	
<b>Evaluation</b>	A		<b>Evaluation</b>	C	
<b>C<sub>16</sub>H<sub>32</sub>O<sub>2</sub></b> (c)		65FIN/MES	<b>C<sub>16</sub>H<sub>32</sub>O<sub>2</sub></b> (c)		82SCH/MIL2
Hexadecanoic acid; Palmitic acid			Hexadecanoic acid; Palmitic acid		
<b>Heat Capacity</b>	298.15 K,	$C_p = 452.25 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p = 463.36 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range	10 to 310 K.		Temperature range	80 to 345 K.	
<b>Entropy</b>	298.15 K,	$S = 540.15 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Phase Changes</b>		
<b>Phase Changes</b>			c,II/liq	335.66 K,	$\Delta H = 53711 \text{ J}\cdot\text{mol}^{-1}$
c/liq	271.43 K,	$\Delta H = 38597 \text{ J}\cdot\text{mol}^{-1}$			$\Delta S = 160.02 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
		$\Delta S = 142.20 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Molecular Weight</b>	256.4276	
<b>Molecular Weight</b>	224.4288		<b>Wiswesser Line Notation</b>	QV15	
<b>Wiswesser Line Notation</b>	L6TJ A10		<b>Evaluation</b>	B	
<b>Evaluation</b>	A		<b>C<sub>16</sub>H<sub>34</sub></b> (liq)		88COS/HUU
			2,2,4,4,6,8,8-Heptamethylnonane		
<b>C<sub>16</sub>H<sub>32</sub>O<sub>2</sub></b> (c)		25PAR/KEL	<b>Heat Capacity</b>	298.15 K,	$C_p = 458.80 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Hexadecanoic acid; Palmitic acid			One temperature.		
<b>Entropy</b>	298.1 K,	$S = 543.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Molecular Weight</b>	226.4446	
Extrapolation below 90 K, 214.2 J·mol <sup>-1</sup> ·K <sup>-1</sup> .			<b>Wiswesser Line Notation</b>	1X1&1&1X1&1&1Y1&1X1&1&1	
<b>Molecular Weight</b>	256.4276		<b>Evaluation</b>	B	
<b>Wiswesser Line Notation</b>	QV15		<b>C<sub>16</sub>H<sub>34</sub></b> (liq)		88PER/AIC
<b>Evaluation</b>	B(C <sub>p</sub> ),C(S)		2,2,4,4,6,8,8-Heptamethylnonane		
<b>C<sub>16</sub>H<sub>32</sub>O<sub>2</sub></b> (c)		29PAR/KEL	<b>Heat Capacity</b>	298.15 K,	$C_p = 458.80 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Hexadecanoic acid; Palmitic acid			One temperature.		
<b>Entropy</b>	298.1 K,	$S = 475.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Molecular Weight</b>	226.4446	
Extrapolation below 90 K, 146.4 J·mol <sup>-1</sup> ·K <sup>-1</sup> . Revision of previous data.			<b>Wiswesser Line Notation</b>	1X1&1&1X1&1&1Y1&1X1&1&1	
<b>Molecular Weight</b>	256.4276		<b>Evaluation</b>	A	
<b>Wiswesser Line Notation</b>	QV15		<b>C<sub>16</sub>H<sub>34</sub></b> (liq)		
<b>Evaluation</b>	C		2,2,4,4,6,8,8-Heptamethylnonane		

$C_{16}H_{34}$ (liq) n-Hexadecane; Cetane Heat Capacity 298.15 K, Temperature range 80 to 300 K. Entropy 298.15 K, Extrapolation below 80 K, 116.6 J·mol <sup>-1</sup> ·K <sup>-1</sup> . Phase Changes c/liq 291.1 K, Molecular Weight 226.4446 Wiswesser Line Notation 16H Evaluation B( $C_p$ ),C(S)	49PAR/MOO $C_p=504.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ $S=626.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ $\Delta H=51543 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=177.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	$C_{16}H_{34}$ (liq) n-Hexadecane; Cetane Heat Capacity 298 K, Temperature range 298, 323, 363 K. Molecular Weight 226.4446 Wiswesser Line Notation 16H Evaluation B	82ZAF $C_p=498.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
$C_{16}H_{34}$ (liq) n-Hexadecane; Cetane Heat Capacity 298.15 K, Temperature range 12 to 320 K. Entropy 298.15 K, Phase Changes c/liq 291.34 K, Molecular Weight 226.4446 Wiswesser Line Notation 16H Evaluation A	54FIN/GRO2 $C_p=501.45 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ $S=586.18 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ $\Delta H=53359 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=183.15 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	$C_{16}H_{34}$ (liq) n-Hexadecane; Cetane Heat Capacity 298.15 K, One temperature. Molecular Weight 226.4446 Wiswesser Line Notation 16H Evaluation B	85LAI/ROL $C_p=496.45 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
$C_{16}H_{34}$ (liq) n-Hexadecane; Cetane Heat Capacity 298.15 K, Temperature range 100, 200, 300 °F. Molecular Weight 226.4446 Wiswesser Line Notation 16H Evaluation C	62GOL/BEL $C_p=484.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	$C_{16}H_{34}$ (liq) n-Hexadecane; Cetane Heat Capacity 298.15 K, One temperature. Molecular Weight 226.4446 Wiswesser Line Notation 16H Evaluation B	86TAR/AIC $C_p=495.73 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
$C_{16}H_{34}$ (liq) n-Hexadecane; Cetane Heat Capacity 298.15 K, One temperature. Molecular Weight 226.4446 Wiswesser Line Notation 16H Evaluation A	73KAL/WOY $C_p=504.58 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	$C_{16}H_{34}$ (liq) n-Hexadecane; Cetane Heat Capacity 298.15 K, One temperature. Molecular Weight 226.4446 Wiswesser Line Notation 16H Evaluation B	88AND/PAT $C_p=499.62 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
$C_{16}H_{34}$ (liq) n-Hexadecane; Cetane Heat Capacity 298.15 K, Temperature range 300 to 324 K. Molecular Weight 226.4446 Wiswesser Line Notation 16H Evaluation A	74DIA/REN $C_p=501.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	$C_{16}H_{34}$ (liq) n-Hexadecane; Cetane Heat Capacity 298.15 K, One temperature. Molecular Weight 226.4446 Wiswesser Line Notation 16H Evaluation B	88COS/HUC $C_p=500.21 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
$C_{16}H_{34}$ (liq) n-Hexadecane; Cetane Heat Capacity 297.79 K, Temperature range 297 to 471 K. Value is unsmoothed experimental datum. Molecular Weight 226.4446 Wiswesser Line Notation 16H Evaluation B	74PET/TER $C_p=499 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	$C_{16}H_{34}$ (liq) n-Hexadecane; Cetane Heat Capacity 298.15 K, One temperature. Molecular Weight 226.4446 Wiswesser Line Notation 16H Evaluation B	88PER/AIC $C_p=500.21 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
$C_{16}H_{34}$ (liq) n-Hexadecane; Cetane Heat Capacity 298.15 K, One temperature. Molecular Weight 226.4446 Wiswesser Line Notation 16H Evaluation B	81GRO/ING $C_p=499.97 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	$C_{16}H_{34}$ (liq) n-Hexadecane; Cetane Heat Capacity 298.15 K, One temperature. Molecular Weight 226.4446 Wiswesser Line Notation 16H Evaluation A	89LAI/ROC $C_p=497.16 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$

$C_{16}H_{34}$ (liq)		91BAN/GAR	$C_{16}H_{34}O$ (c)		88PET/TSY
n-Hexadecane; Cetane			n-Cetyl alcohol; 1-Hexadecanol		
<b>Heat Capacity</b> 313.15 K,	$C_p = 512.37 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Phase Changes</b>		
Temperature range 313 to 373 K. $p=0.1 \text{ MPa}$ .			c,III/c,II	308.9 K,	$\Delta H = 12500 \text{ J}\cdot\text{mol}^{-1}$
<b>Molecular Weight</b> 226.4446			c,II/c,I	310.4 K,	$\Delta S = 40.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Wiswesser Line Notation</b> 16H					$\Delta H = 5200 \text{ J}\cdot\text{mol}^{-1}$
<b>Evaluation</b> B					$\Delta S = 16.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
$C_{16}H_{34}$ (liq)		91CLA/LET	<b>Molecular Weight</b> 242.4440		
n-Hexadecane; Cetane			<b>Wiswesser Line Notation</b> Q16		
<b>Phase Changes</b>			<b>Evaluation</b> A		
c/liq	292.1 K,	$\Delta H = 47545 \text{ J}\cdot\text{mol}^{-1}$			
<b>Molecular Weight</b> 226.4446					
<b>Wiswesser Line Notation</b> 16H					
<b>Evaluation</b> A					
$C_{16}H_{34}$ (liq)		91TRE/COS	$C_{16}H_{34}O$ (liq)		89KHA/ZYK
n-Hexadecane; Cetane			n-Cetyl alcohol; 1-Hexadecanol		
<b>Heat Capacity</b> 298.15 K,	$C_p = 499.72 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 333.15 K,		$C_p = 618.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
One temperature.			Temperature range 333 to 583 K.		
<b>Molecular Weight</b> 226.4446			<b>Molecular Weight</b> 242.4440		
<b>Wiswesser Line Notation</b> 16H			<b>Wiswesser Line Notation</b> Q16		
<b>Evaluation</b> B			<b>Evaluation</b> B		
$C_{16}H_{34}O$ (c)		1889EYK	$C_{16}H_{34}S$ (liq)		82TIJT/GAB
n-Cetyl alcohol; 1-Hexadecanol			1-Hexadecanethiol; n-Hexadecyl mercaptan		
<b>Phase Changes</b>			<b>Heat Capacity</b> 300 K,	$C_p = 574.22 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
c/liq	320 K,	$\Delta H = 34727 \text{ J}\cdot\text{mol}^{-1}$	Temperature range 273 to 373 K. $C_p = 553.16 + 4.153 \times 10^{-2}T + 9.560 \times 10^{-5}T^2$		
<b>Molecular Weight</b> 242.4446		$\Delta S = 108.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Molecular Weight</b> 258.5046		
<b>Wiswesser Line Notation</b> Q16			<b>Wiswesser Line Notation</b> SH16		
<b>Evaluation</b> C			<b>Evaluation</b> B		
$C_{16}H_{34}O$ (c)		56PAR/KEN	$C_{16}H_{35}N$ (liq)		87MIL/FEN
n-Cetyl alcohol; 1-Hexadecanol			N,N-Dimethyl-2-pentylnonylamine		
<b>Heat Capacity</b> 290 K,	$C_p = 441.24 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 323.15 K,	$C_p = 537.98 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 80 to 290 K.			Temperature range 323.15 to 423.15 K.		
<b>Entropy</b> 298.1 K,	$S = 451.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Molecular Weight</b> 241.4592		
Extrapolation below 80 K, 115.3 $\text{J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ .			<b>Wiswesser Line Notation</b> 7Y5&1N1&1		
<b>Molecular Weight</b> 242.4446			<b>Evaluation</b> A		
<b>Wiswesser Line Notation</b> Q16					
<b>Evaluation</b> B( $C_p$ ),C(S)					
$C_{16}H_{34}O$ (c)		74MOS/MOU	$C_{16}H_{35}N$ (liq)		93STE/CHI2
n-Cetyl alcohol; 1-Hexadecanol			Di-n-octylamine		
<b>Heat Capacity</b> 298.15 K,	$C_p = 422 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K,	$C_p = 507.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 293 to 311 K.			One temperature.		
<b>Phase Changes</b>			<b>Molecular Weight</b> 241.4592		
c, $\gamma$ c, $\alpha$	322.2 K,	$\Delta H = 23700 \text{ J}\cdot\text{mol}^{-1}$	<b>Wiswesser Line Notation</b> 8M8		
		$\Delta S = 73.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Evaluation</b> A		
c, $\gamma$ /liq	322.2 K,	$\Delta H = 58380 \text{ J}\cdot\text{mol}^{-1}$			
		$\Delta S = 181.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
c, $\alpha$ /liq	322.3 K,	$\Delta H = 33600 \text{ J}\cdot\text{mol}^{-1}$			
		$\Delta S = 104.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
<b>Molecular Weight</b> 242.4446					
<b>Wiswesser Line Notation</b> Q16					
<b>Evaluation</b> B					
$C_{16}H_{34}O$ (liq)		74MOS/MOU	$C_{16}H_{36}BrN$ (c)		73VIS/SOM
n-Cetyl alcohol; 1-Hexadecanol			Tetra-n-butylammonium bromide		
<b>Heat Capacity</b> 323 K,	$C_p = 524 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K,	$C_p = 412 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 323 to 346 K.			Temperature range 278 to 328 K.		
<b>Molecular Weight</b> 242.4446			<b>Molecular Weight</b> 322.3711		
<b>Wiswesser Line Notation</b> Q16			<b>Wiswesser Line Notation</b> 4K4&4&4 E		
<b>Evaluation</b> B			<b>Evaluation</b> B		

$C_{16}H_{36}BrN$ (c,III)		74BUR/VER	$C_{16}H_{40}CdCl_4N_2$ (c)		85RIC/CA
Tetra-n-butylammonium bromide			Bis-octylammonium tetrachlorocadmium		
<b>Heat Capacity</b>	298 K,	$C_p = 447.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Phase Changes</b>		
Temperature range 273 to 373 K.			c,III/c,II	269 K,	$\Delta H = 14500 \text{ J}\cdot\text{mol}^{-1}$
<b>Phase Changes</b>					$\Delta S = 54 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c,IV/c,III	293 K,	$\Delta H = 67 \text{ J}\cdot\text{mol}^{-1}$	c,II/c,I	308 K,	$\Delta H = 5100 \text{ J}\cdot\text{mol}^{-1}$
		$\Delta S = 0.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			$\Delta S = 16.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 293 to 295 K. $\Delta H$	maximum value.		<b>Molecular Weight</b>	514.7274	
c,III/c,II	367 K,	$\Delta H = 1630 \text{ J}\cdot\text{mol}^{-1}$	<b>Wiswesser Line Notation</b>	-8-ZH 2 .CD G4	
		$\Delta S = 4.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Evaluation</b>	B	
Temperature range 366.0 to 369 K.					
c,II/c,I	383 K,	$\Delta H = 335 \text{ J}\cdot\text{mol}^{-1}$	$C_{16}H_{40}Cl_4N_2Ni$ (c,I)		79LAN/WE
		$\Delta S = 0.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	Bis-(tetraethylammonium) tetrachloronickelate		
Temperature range 382 to 383.5 K.			<b>Heat Capacity</b>	298.15 K,	$C_p = 634.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c/liq	395 K,	$\Delta H = 16150 \text{ J}\cdot\text{mol}^{-1}$	Temperature range 5 to 350 K.		
		$\Delta S = 40.89 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Entropy</b>	298.15 K,	$S = 775.42 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b>	322.3711		<b>Phase Changes</b>		
<b>Wiswesser Line Notation</b>	4K4&4&4 E		c,III/c,I	222.4 K,	$\Delta H = 8732 \text{ J}\cdot\text{mol}^{-1}$
<b>Evaluation</b>	B				$\Delta S = 38.32 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
$C_{16}H_{36}ClN$ (c)		88VAN/WHI			
Di-n-octylammonium chloride					
<b>Heat Capacity</b>	298.24 K,	$C_p = 550.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
Temperature range 25 to 350 K. Unsmoothed experimental datum.					
<b>Phase Changes</b>					
c,II/c,I	297.70 K,	$\Delta H = 33610 \text{ J}\cdot\text{mol}^{-1}$			
		$\Delta S = 112.97 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
<b>Molecular Weight</b>	277.9201		$C_{16}H_{40}Cl_4N_2Zn$ (c,I)		79LAN/WE
<b>Wiswesser Line Notation</b>	8M8 &GH		Bis-(tetraethylammonium) tetrachlorozincate		
<b>Evaluation</b>	A		<b>Heat Capacity</b>	298.15 K,	$C_p = 640.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
			Temperature range 5 to 350 K.		
$C_{16}H_{36}N_4$ (c)		87KUL/KIP	<b>Entropy</b>	298.15 K,	$S = 759.48 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
cis-(5,12)-7,7,14,14-Hexamethyl-1,4,8,11-tetraazacyclotetradecane			<b>Phase Changes</b>		
<b>Heat Capacity</b>	298.15 K,	$C_p = 444.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	c,III/c,I	228.4 K,	$\Delta H = 9556 \text{ J}\cdot\text{mol}^{-1}$
Temperature range 0 to 330 K.					$\Delta S = 41.67 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Entropy</b>	298.15 K,	$S = 443.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
<b>Molecular Weight</b>	284.4872				
<b>Wiswesser Line Notation</b>	L14N DN HN KNTJ E1 G1 G1 L1 N1 N1				
<b>Evaluation</b>	A				
$C_{16}H_{36}O_4Si$ (liq)		85NKI/CHA	$C_{16}H_{40}D_4Si_4$ (liq)		87DZH/KUI
Tetrabutyl silicate; Butyl silicate			Octaethylcyclotetrasiloxane		
<b>Heat Capacity</b>	298.15 K,	$C_p = 580.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p = 746.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
One temperature.			Temperature range 5 to 300 K.		
<b>Molecular Weight</b>	320.5435		<b>Entropy</b>	298.15 K,	$S = 909.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Wiswesser Line Notation</b>	4O-SI-O4&O4&O4		<b>Phase Changes</b>		
<b>Evaluation</b>	B		c,III/c,II	134 K	$\Delta H = 12219 \text{ J}\cdot\text{mol}^{-1}$
			c,II/c,I	208.16 K,	$\Delta S = 58.69 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
$C_{16}H_{36}O_4Ti$ (liq)		79SAM/GRI	c,I/liq	213.35 K,	$\Delta H = 13705 \text{ J}\cdot\text{mol}^{-1}$
Tetrabutoxytitanium					$\Delta S = 64.38 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Heat Capacity</b>	353 K,	$C_p = 711 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Molecular Weight</b>	352.8972	
Temperature range 333 to 453 K.			<b>Wiswesser Line Notation</b>	T8-SI-O-SI-O-SI-O-SI- OTJ A2 A2 C2 C2 E:	
<b>Molecular Weight</b>	340.3580		E2 G2 G2		
<b>Wiswesser Line Notation</b>	4O-TI-O4&O4&O4		<b>Evaluation</b>	A	
<b>Evaluation</b>	C				
$C_{16}H_{38}Br_2N_2$ (c,II)		74BUR/VER	$C_{17}H_6O_7$ (c)		73KAR/MOC
1,4-Bis(triethylammonium)butane dibromide			Bis-(3-phthalyl anhydride) ketone		
<b>Heat Capacity</b>	298 K,	$C_p = 462.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	300 K,	$C_p = 318.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 273 to 373 K.			Temperature range 20 to 300 K.		
<b>Phase Changes</b>			<b>Entropy</b>	300 K,	$S = 350.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c,II/c,I	518 K,	$\Delta H = 50200 \text{ J}\cdot\text{mol}^{-1}$	<b>Molecular Weight</b>	322.2302	
		$\Delta S = 96.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Wiswesser Line Notation</b>	T56 BVOVJ GV- GT56 BVOVJ	
Temperature range 503 to 530 K.			<b>Evaluation</b>	A	
<b>Molecular Weight</b>	418.2976				
<b>Wiswesser Line Notation</b>	2K2&2&4K2&2&2 E 2				
<b>Evaluation</b>	B				

<b>C<sub>17</sub>H<sub>12</sub></b> (c)	79FAR/SHA	<b>C<sub>17</sub>H<sub>20</sub>Cl<sub>2</sub>N<sub>2</sub>S</b> (c)	83CHA/MAS
1,2-Benzofluorene		Chlorpromazine hydrochloride;	
<b>Phase Changes</b>		2-Chloro-9-(3-dimethylaminopropyl)-10-phenothiazine hydrochloride	
c,II/c,I	399.9 K,	$\Delta H = 3800 \text{ J}\cdot\text{mol}^{-1}$	<b>Phase Changes</b>
c/liq	462.8 K,	$\Delta H = 18400 \text{ J}\cdot\text{mol}^{-1}$	c/liq
		$\Delta S = 39.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	467.2 K,
<b>Molecular Weight</b>	216.2818	$\Delta H = 28420 \text{ J}\cdot\text{mol}^{-1}$	$\Delta S = 60.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Wiswesser Line Notation</b>	L D6 B566 CHJ	<b>Molecular Weight</b>	355.3305
<b>Evaluation</b>	B	<b>Wiswesser Line Notation</b>	T C666 BN ISJ B3N1&1 FG &GH
		<b>Evaluation</b>	C
		(Pre-melting began at 461.7 K).	
<b>C<sub>17</sub>H<sub>12</sub></b> (c)	79FAR/SHA	<b>C<sub>17</sub>H<sub>30</sub></b> (liq)	62GOL/BEL
2,3-Benzofluorene		Cyclopentylbicyclohexyl	
<b>Phase Changes</b>		<b>Heat Capacity</b>	311 K,
c/liq	489.7 K,	$C_p = 430.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	Temperature range 100, 200, 300 °F.
		<b>Molecular Weight</b>	234.4240
<b>Molecular Weight</b>	216.2818	<b>Wiswesser Line Notation</b>	L6TJ A- AL6TJ X- AL5TJ
<b>Wiswesser Line Notation</b>	L D6 B656 LHJ	<b>Evaluation</b>	C
<b>Evaluation</b>	B		
<b>C<sub>17</sub>H<sub>14</sub>FeO</b> (c)	81TOM/CUR	<b>C<sub>17</sub>H<sub>30</sub></b> (liq)	63GUD/CAM
Benzoylferrocene		Cyclopentylbicyclohexyl	
<b>Heat Capacity</b>	298 K,	<b>Heat Capacity</b>	313 K,
	$C_p = 387.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	$C_p = 433.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	Temperature range 313 to 483 K.
Temperature range 293 to 363 K. Equation given.		<b>Molecular Weight</b>	234.4240
<b>Phase Changes</b>		<b>Wiswesser Line Notation</b>	L6TJ A- AL6TJ X- AL5TJ
c/liq	384.2 K	<b>Evaluation</b>	C
<b>Molecular Weight</b>	290.1440		
<b>Wiswesser Line Notation</b>	L5φJ φ-FE- -φL5φJ AVR		
<b>Evaluation</b>	B		
<b>C<sub>17</sub>H<sub>14</sub>N<sub>2</sub>O<sub>2</sub></b> (c)	75LEB/ARO	<b>C<sub>17</sub>H<sub>32</sub></b> (liq)	63GUD/CAM
2,2-Bis-(4-cyanatophenyl)propane		Bis(ethylcyclohexyl)methane	
<b>Heat Capacity</b>	298.15 K,	<b>Heat Capacity</b>	313 K,
Temperature range 0 to 420 K.	$C_p = 355.64 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	$C_p = 466.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	Temperature range 313 to 483 K.
<b>Entropy</b>	298.15 K,	<b>Molecular Weight</b>	236.4398
<b>Phase Changes</b>		<b>Wiswesser Line Notation</b>	L6TJ A2 X1- AL6TJ X2
c/liq	355.83 K,	<b>Evaluation</b>	C
	$\Delta H = 26694 \text{ J}\cdot\text{mol}^{-1}$		
<b>Molecular Weight</b>	278.3098		
<b>Wiswesser Line Notation</b>	ONCR DX1&1&R DCNO		
<b>Evaluation</b>	A		
<b>C<sub>17</sub>H<sub>14</sub>N<sub>2</sub>O<sub>2</sub></b> (c)	77LEB/RAB4	<b>C<sub>17</sub>H<sub>32</sub></b> (liq)	63GUD/CAM
2,2-Bis-(4-cyanatophenyl)propane		1-Cyclohexyl-1-isopropylcyclohexylethane	
<b>Heat Capacity</b>	300 K,	<b>Heat Capacity</b>	313 K,
Temperature range 13 to 400 K. Data given graphically. Value estimated from graph.	$C_p = 360 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	$C_p = 439.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	Temperature range 313 to 583 K.
<b>Phase Changes</b>		<b>Molecular Weight</b>	236.4398
c/liq	355.8 K,	<b>Wiswesser Line Notation</b>	L6TJ AY1&- AL6TJ XY1&1
	$\Delta H = 26700 \text{ J}\cdot\text{mol}^{-1}$	<b>Evaluation</b>	C
	$\Delta S = 74.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		
<b>Molecular Weight</b>	278.3078		
<b>Wiswesser Line Notation</b>	ONCR DX1&1&R DCNO		
<b>Evaluation</b>	C( $C_p$ ); A(Phase changes)		
<b>(C<sub>17</sub>H<sub>14</sub>N<sub>2</sub>O<sub>2</sub>)<sub>n</sub></b> (amorph)	75LEB/ARO	<b>C<sub>17</sub>H<sub>34</sub>O<sub>2</sub></b> (c)	36KIN/GAR
Poly[2,2-bis-(4-phenoxypropane)] 2,4,6-triazine; Polycyanate		Methyl hexadecanoate; Methyl palmitate	
<b>Heat Capacity</b>	298.15 K,	<b>Phase Changes</b>	
Temperature range 0 to 420 K.	$C_p = 326.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	c/liq	302.2 K,
<b>Entropy</b>	298.15 K,	<b>Molecular Weight</b>	270.4544
<b>Molecular Weight</b>	278.3098	<b>Wiswesser Line Notation</b>	15VO1
<b>Wiswesser Line Notation</b>	T6N CN ENJ BOR& DX1&1&RO* DOR& DX1&1&RO* EOR& DX1&1&RO*/ 1/3	<b>Evaluation</b>	B
<b>Evaluation</b>	A		
<b>C<sub>17</sub>H<sub>34</sub>O<sub>2</sub></b> (c)		<b>C<sub>17</sub>H<sub>34</sub>O<sub>2</sub></b> (c)	56WIR/DRO
Methyl hexadecanoate; Methyl palmitate		Methyl hexadecanoate; Methyl palmitate	
<b>Heat Capacity</b>	298.15 K,	<b>Heat Capacity</b>	298.15 K,
Temperature range 15 to 297 K.	$C_p = 474.47 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	$C_p = 474.47 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Entropy</b>	298.15 K,	$S = 495.09 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	$S = 495.09 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b>	270.4544	<b>Wiswesser Line Notation</b>	15VO1
<b>Wiswesser Line Notation</b>		<b>Evaluation</b>	A

<b>C<sub>17</sub>H<sub>34</sub>O<sub>2</sub></b> (c)						74BUR/VE]
Heptadecanoic acid						
<b>Heat Capacity</b>	298.15 K,	$C_p = 475.74 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$				
Temperature range 80 to 350 K.						
<b>Phase Changes</b>						
c,II/c,I	329.2 K,	$\Delta H = 7435 \text{ J}\cdot\text{mol}^{-1}$				
		$\Delta S = 22.59 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$				
c,I/liq	334.25 K,	$\Delta H = 51342 \text{ J}\cdot\text{mol}^{-1}$				
		$\Delta S = 153.60 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$				
<b>Molecular Weight</b>	270.4544					
<b>Wiswesser Line Notation</b>	QV16					
<b>Evaluation</b>	A					
<b>C<sub>17</sub>H<sub>34</sub>O<sub>4</sub></b> (c)			65SIL/DAU			79CAI/DW
2-Monomyrristin						
<b>Heat Capacity</b>	298 K,	$C_p = 506.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$				
One temperature.						
<b>Molecular Weight</b>	302.4532					
<b>Wiswesser Line Notation</b>	Q1Y1QOV13					
<b>Evaluation</b>	B					
<b>C<sub>17</sub>H<sub>34</sub>O<sub>4</sub></b> (c)		65SIL/DAU				88SAI/ATA
1-Monomyrristin						
<b>Heat Capacity</b>	298 K,	$C_p = 520.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$				
One temperature. $\beta_L$ form.						
<b>Molecular Weight</b>	302.4532					
<b>Wiswesser Line Notation</b>	Q1YQ1OV13					
<b>Evaluation</b>	B					
<b>C<sub>17</sub>H<sub>36</sub></b> (liq)			55SCH/BUS			79FAR/SHA
n-Heptadecane						
<b>Phase Changes</b>						
c,II/c,I	283.65 K					
c,I/liq	294.85 K					
<b>Molecular Weight</b>	240.4714					
<b>Wiswesser Line Notation</b>	17H					
<b>Evaluation</b>	B					
<b>C<sub>17</sub>H<sub>36</sub></b> (liq)		67MES/GUT				50UEB/OR]
n-Heptadecane						
<b>Heat Capacity</b>	298.15 K,	$C_p = 534.34 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$				
Temperature range 12 to 380 K.						
<b>Entropy</b>	298.15 K,	$S = 652.24 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$				
<b>Phase Changes</b>						
c,II/c,I	284.27 K,	$\Delta H = 10942 \text{ J}\cdot\text{mol}^{-1}$				
		$\Delta S = 38.50 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$				
c,I/liq	295.14 K,	$\Delta H = 40164 \text{ J}\cdot\text{mol}^{-1}$				
		$\Delta S = 136.08 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$				
<b>Molecular Weight</b>	240.4714					
<b>Wiswesser Line Notation</b>	17H					
<b>Evaluation</b>	A					
<b>C<sub>17</sub>H<sub>36</sub>O</b> (liq)			89KHA/ZYK			71WON/WES
1-Heptadecanol; n-Heptadecyl alcohol						
<b>Heat Capacity</b>	333.15 K,	$C_p = 649.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$				
Temperature range 333 to 583 K.						
<b>Molecular Weight</b>	256.4708					
<b>Wiswesser Line Notation</b>	Q17					
<b>Evaluation</b>	B					
<b>C<sub>17</sub>H<sub>40</sub>Br<sub>2</sub>N<sub>2</sub></b> (c,II)						
1,5-Bis(triethylammonium)pentane dibromide						
<b>Heat Capacity</b>	298 K,	$C_p = 493.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$				
Temperature range 273 to 373 K.						
<b>Phase Changes</b>						
c,II/c,I	465 K,	$\Delta H = 24480 \text{ J}\cdot\text{mol}^{-1}$				
		$\Delta S = 52.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$				
Temperature range 458 to 471 K.						
<b>Molecular Weight</b>	432.3244					
<b>Wiswesser Line Notation</b>	2K2&2&5K2&2&2 E 2					
<b>Evaluation</b>	B					
<b>C<sub>18</sub>D<sub>14</sub></b> (c,I)						
p-Terphenyl-d <sub>14</sub>						
<b>Phase Changes</b>						
c,II/c,I	178.8 K,	$\Delta H = 193 \text{ J}\cdot\text{mol}^{-1}$				
		$\Delta S = 1.08 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$				
<b>Molecular Weight</b>	244.3954					
<b>Wiswesser Line Notation</b>	RR DR &1B-F/2BCEF/5B-F/H-2 14					
<b>Evaluation</b>	C					
<b>C<sub>18</sub>D<sub>14</sub></b> (c,I)						
p-Terphenyl-d <sub>14</sub>						
<b>Heat Capacity</b>	298.15 K,	$C_p = 319.66 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$				
Temperature range 5 to 300 K.						
<b>Entropy</b>	298.15 K,	$S = 315.23 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$				
<b>Phase Changes</b>						
c,II/c,I	180.3 K,	$\Delta H = 288 \text{ J}\cdot\text{mol}^{-1}$				
		$\Delta S = 1.63 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$				
Lambda-type transition.						
<b>Molecular Weight</b>	244.3954					
<b>Wiswesser Line Notation</b>	RR DR &1B-F/2BCEF/5B-F/H-2 14					
<b>Evaluation</b>	A					
<b>C<sub>18</sub>H<sub>11</sub>N<sub>3</sub>O<sub>7</sub></b> (c)						
Acenaphthene picric acid						
<b>Phase Changes</b>						
c/liq	436.3 K,	$\Delta H = 36000 \text{ J}\cdot\text{mol}^{-1}$				
		$\Delta S = 82.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$				
<b>Molecular Weight</b>	381.3008					
<b>Wiswesser Line Notation</b>	L566 1A LT&&J &WNR BQ CNW ENW					
<b>Evaluation</b>	B					
<b>C<sub>18</sub>H<sub>12</sub></b> (c)						
Benzanthrene						
<b>Heat Capacity</b>	298.15 K,	$C_p = 273.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$				
Temperature range 293 to 368 K. Equation only.						
<b>Molecular Weight</b>	228.2928					
<b>Wiswesser Line Notation</b>	L C6666 1A Q IHJ					
<b>Evaluation</b>	C					
<b>C<sub>18</sub>H<sub>12</sub></b> (c)						
Triphenylene; 9,10-Benzophenanthrene						
<b>Heat Capacity</b>	298.15 K,	$C_p = 259.20 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$				
Temperature range 5 to 514 K.						
<b>Entropy</b>	298.15 K,	$S = 254.68 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$				
<b>Phase Changes</b>						
c/liq	471.01 K,	$\Delta H = 24744 \text{ J}\cdot\text{mol}^{-1}$				
		$\Delta S = 52.53 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$				
<b>Molecular Weight</b>	228.2928					
<b>Wiswesser Line Notation</b>	L B6 H666J					
<b>Evaluation</b>	A					

<b>C<sub>18</sub>H<sub>12</sub></b> (c)	80WON/WES	<b>C<sub>18</sub>H<sub>14</sub></b> (c,l)	79CAI/DWO
Naphthalene		p-Terphenyl	
<b>Heat Capacity</b>	298.15 K, $C_p = 236.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	
Temperature range 5 to 350 K.		$C_p$ data not given.	
<b>Entropy</b>	298.15 K, $S = 215.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Phase Changes</b>	
Molecular Weight 228.2928		Temperature range 10 to 300 K.	
Wiswesser Line Notation L C6666J		c,II/c,I 193.3 K, $\Delta H = 95 \text{ J}\cdot\text{mol}^{-1}$	
Evaluation A		$\Delta S = 0.49 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
		Obtained T=191.0 K, $\Delta S = 0.45 \text{ J}\cdot\text{mol}^{-1}$ , from DSC data.	
<b>C<sub>18</sub>H<sub>12</sub></b> (c)	92SAB/ELW3	<b>Molecular Weight</b> 230.3086	
Triphenylene; 9,10-Benzophenanthrene		Wiswesser Line Notation RR DR	
<b>Phase Changes</b>		Evaluation C	
c/liq 471.06 K, $\Delta H = 24190 \text{ J}\cdot\text{mol}^{-1}$			
<b>Molecular Weight</b> 228.2928			
Wiswesser Line Notation L B6 H666J			
Evaluation A			
<b>C<sub>18</sub>H<sub>12</sub>N<sub>4</sub>O<sub>6</sub></b> (c)	80RAD/RAD	<b>C<sub>18</sub>H<sub>14</sub></b> (c)	79SMI
Carbazole-1,3,5-trinitrobenzene adduct		p-Terphenyl	
<b>Heat Capacity</b>	298.15 K, $C_p = 404.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Phase Changes</b>	
Temperature range 180 to 430 K. Data given graphically. $C_p$ calculated from equation.		c/liq 486.3 K, $\Delta H = 35500 \text{ J}\cdot\text{mol}^{-1}$	
<b>Phase Changes</b>		$\Delta S = 73.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
c,II/liq 477.5 K, $\Delta H = 43702 \text{ J}\cdot\text{mol}^{-1}$		<b>Molecular Weight</b> 230.3086	
$\Delta S = 91.52 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		Wiswesser Line Notation RR DR	
<b>Molecular Weight</b> 380.3160		Evaluation A	
Wiswesser Line Notation T B656 HMJ & WNR CNW ENW			
Evaluation B			
<b>C<sub>18</sub>H<sub>14</sub></b> (c)	72CHA/BES	<b>C<sub>18</sub>H<sub>14</sub></b> (c)	82WAS/RAD
o-Terphenyl		p-Terphenyl	
<b>Heat Capacity</b>	298.15 K, $C_p = 274.75 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	300 K, $C_p = 260 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 2 to 350 K. Also data for annealed and quenched glass.		Temperature range 180 to 500 K. Data given graphically. Value estimated from graph.	
<b>Entropy</b>	298.15 K, $S = 298.81 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Phase Changes</b>	
<b>Phase Changes</b>		c,II/c,I 400 to 493.1 K	
c/liq 329.35 K, $\Delta H = 17192 \text{ J}\cdot\text{mol}^{-1}$		c/liq 493.1 K, $\Delta H = 41600 \text{ J}\cdot\text{mol}^{-1}$	
$\Delta S = 52.20 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		$\Delta S = 84.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Molecular Weight</b> 230.3086		<b>Molecular Weight</b> 230.3086	
Wiswesser Line Notation RR BR		Wiswesser Line Notation RR DR	
Evaluation A		Evaluation D( $C_p$ ), B(Phase changes)	
<b>C<sub>18</sub>H<sub>14</sub></b> (liq)	72CHA/BES	<b>C<sub>18</sub>H<sub>14</sub></b> (c)	83CHA
o-Terphenyl		p-Terphenyl	
<b>Heat Capacity</b>	298.15 K, $C_p = 369.05 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K, $C_p = 278.68 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 250 to 360 K. Supercooled liquid below Tm 329.35 K.		Temperature range 4 to 580 K. $C_p = 35.12 + 0.58825T + 0.0010062T^2 - 8.042 \times 10^{-7}T^3$ from 80 to 300 K.	
<b>Entropy</b>	298.15 K, $S = 337.11 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Entropy</b>	298.15 K, $S = 285.62 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b> 230.3086		<b>Phase Changes</b>	
Wiswesser Line Notation RR BR		c,II/c,I 193.55 K	
Evaluation A		Lambda transition.	
<b>C<sub>18</sub>H<sub>14</sub></b> (liq)	58WAL/BRO	c/liq 487.0 K, $\Delta H = 35300 \text{ J}\cdot\text{mol}^{-1}$	
m-Terphenyl		$\Delta S = 72.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Heat Capacity</b>	370 K, $C_p = 417.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Molecular Weight</b> 230.3086	
Temperature range 200 to 600 °F.		Wiswesser Line Notation RR DR	
<b>Molecular Weight</b> 230.3086		Evaluation A	
Wiswesser Line Notation RR CR			
Evaluation B			
<b>C<sub>18</sub>H<sub>14</sub></b> (liq)		<b>C<sub>18</sub>H<sub>14</sub></b> (c,l)	88SAI/ATA2
		p-Terphenyl	
<b>Heat Capacity</b>	298.15 K, $C_p = 278.12 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K, $C_p = 278.12 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 5 to 300 K.		$S = 285.23 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Entropy</b>	298.15 K, $S = 285.23 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Phase Changes</b>	
<b>Phase Changes</b>		c,II/c,I 193.5 K, $\Delta H = 304 \text{ J}\cdot\text{mol}^{-1}$	
c,II/c,I 193.5 K, $\Delta H = 304 \text{ J}\cdot\text{mol}^{-1}$		$\Delta S = 1.63 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
		Lambda-type transition.	
		<b>Molecular Weight</b> 230.3086	
		Wiswesser Line Notation RR DR	
		Evaluation A	

$C_{18}H_{15}As$ (c)		31SMI/AND2	$C_{18}H_{15}OP$ (c)		88KIR/DON
Triphenylarsine			Triphenylphosphine oxide		
<b>Heat Capacity</b>	298.5 K,	$C_p = 321.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Phase Changes</b>		
Temperature range 102 to 311 K. Value is unsmoothed experimental datum.			c/liq	431.9 K,	$\Delta H = 24220 \text{ J}\cdot\text{mol}^{-1}$
<b>Molecular Weight</b>	306.2381				$\Delta S = 56.08 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Wiswesser Line Notation R-AS-R&R			<b>Molecular Weight</b>	278.2897	
Evaluation	B		Wiswesser Line Notation OPR&R&R		
			Evaluation	A	
$C_{18}H_{15}Bi$ (c)		31SMI/AND2	$C_{18}H_{15}OP$ (c)		89HUL/VAN
Triphenylbismuthine; Bismuth triphenyl			Triphenylphosphine oxide		
<b>Heat Capacity</b>	298.5 K,	$C_p = 328.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	314 K,	$C_p = 339 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 102 to 323 K.			Temperature range 339 to 459 K.		
<b>Molecular Weight</b>	440.2969		<b>Phase Changes</b>		
Wiswesser Line Notation R-BI-R&R			c/liq	429.6 K,	$\Delta H = 23400 \text{ J}\cdot\text{mol}^{-1}$
Evaluation	B		<b>Molecular Weight</b>	278.2897	
			Wiswesser Line Notation OPR&R&R		
			Evaluation	B	
$C_{18}H_{15}Bi$ (c)		79STE	$C_{18}H_{15}O_4P$ (c)		86RAB/PE
Triphenylbismuthine; Bismuth triphenyl			Triphenylphosphate		
<b>Heat Capacity</b>	298.15 K,	$C_p = 330.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	300 K,	$C_p = 356.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
One temperature.			Temperature range 12 to 340 K.		
<b>Molecular Weight</b>	440.2969		<b>Entropy</b>	300 K,	$S = 397.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Wiswesser Line Notation R-BI-R&R			<b>Phase Changes</b>		
Evaluation	B		c/liq	322.55 K,	$\Delta H = 29610 \text{ J}\cdot\text{mol}^{-1}$
			<b>Molecular Weight</b>	326.2879	$\Delta S = 91.84 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
$C_{18}H_{15}ClSi$ (c)		68KOS/MOS	Wiswesser Line Notation RO 3PO		
Triphenylchlorosilane			Evaluation	A	
<b>Heat Capacity</b>	298.15 K,	$C_p = 337.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
Temperature range 12.39 to 386.93 K.					
<b>Entropy</b>	298.15 K,	$S = 370.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
<b>Phase Changes</b>					
c/liq	370.6 K,	$\Delta H = 26878 \text{ J}\cdot\text{mol}^{-1}$			
		$\Delta S = 72.53 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
<b>Molecular Weight</b>	294.8550				
Wiswesser Line Notation G-SI-R&R&R					
Evaluation	A				
$C_{18}H_{15}N$ (c)		31SMI/AND2	$C_{18}H_{15}P$ (c)		31SMI/AND2
Triphenylamine			Triphenylphosphine		
<b>Heat Capacity</b>	298.5 K,	$C_p = 297.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298.5 K,	$C_p = 312.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 102 to 346 K. Value is unsmoothed experimental datum.			Temperature range 102 to 298 K. Value is unsmoothed experimental datum.		
<b>Molecular Weight</b>	245.3232		<b>Molecular Weight</b>	262.2903	
Wiswesser Line Notation RNR&R			Wiswesser Line Notation RPR&R		
Evaluation	B		Evaluation	B	
$C_{18}H_{15}OP$ (c)		77HAR/HEA	$C_{18}H_{15}P$ (c)		88KIR/DON
Triphenylphosphine oxide			Triphenylphosphine		
<b>Heat Capacity</b>	298.15 K,	$C_p = 317 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Phase Changes</b>		
One temperature. $C_p$ given as $1.14 \text{ J}\cdot\text{K}^{-1}\cdot\text{g}^{-1}$ .			c/liq	354.4 K,	$\Delta H = 19690 \text{ J}\cdot\text{mol}^{-1}$
<b>Molecular Weight</b>	278.2897				$\Delta S = 55.56 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Wiswesser Line Notation OPR&R&R					
Evaluation	B				
$C_{18}H_{15}OP$ (c)		78JOR/AIR	$C_{18}H_{15}Sb$ (c)		31SMI/AND2
Triphenylphosphine oxide			Triphenylstiblene; Antimony triphenyl		
<b>Heat Capacity</b>	298 K,	$C_p = 470 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298.5 K,	$C_p = 325.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
One temperature.			Temperature range 102 to 311 K.		
<b>Phase Changes</b>			<b>Molecular Weight</b>	353.0665	
c/liq	429 K,	$\Delta H = 23800 \text{ J}\cdot\text{mol}^{-1}$	Wiswesser Line Notation R-SB-R&R		
		$\Delta S = 95.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	Evaluation	B	
<b>Molecular Weight</b>	278.2897				
Wiswesser Line Notation OPR&R&R					
Evaluation	C				
$C_{18}H_{16}$ (liq)			$C_{18}H_{16}$ (liq)		78GOO/SCC
4b $\beta$ ,4c $\alpha$ ,9.9a $\alpha$ ,9b $\beta$ ,10-Hexahydrocyclobuta-[1,2-a:4,3-a']diindene;			4b $\beta$ ,4c $\alpha$ ,9.9a $\alpha$ ,9b $\beta$ ,10-Hexahydrocyclobuta-[1,2-a:4,3-a']diindene;		
syn,trans-Truxane			syn,trans-Truxane		
<b>Heat Capacity</b>	298.15 K,	$C_p = 275.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p = 275.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
One temperature. $C_p = 0.283 \text{ cal}\cdot\text{g}^{-1}$ .					
<b>Molecular Weight</b>	232.3244				
Wiswesser Line Notation L D6 C5 B456&TTT&J					
Evaluation	B				

$C_{18}H_{16}$ (liq)	78GOO/SCO	$C_{18}H_{18}N_2O_5$ (c)	32SPA/THO
4b $\alpha$ ,4c $\beta$ ,5,9b $\beta$ ,9c $\alpha$ ,10-Hexahydrocyclabuta-[1,2-a:3,4-a']diindene; anti,trans-Truxane		Ethyl azoxybenzenedicarboxylate	
<b>Heat Capacity</b> 298.15 K, $C_p=252.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 303 K, $C_p=451.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
One temperature. $C_p=0.260 \text{ cal}\cdot\text{g}^{-1}$ .		Temperature range 30 to 150 °C.	
<b>Molecular Weight</b> 232.3244		<b>Phase Changes</b>	
<b>Wiswesser Line Notation</b> L E6 C5 B456&TTT&J		liq/liq 395.7 K, $\Delta H=5439 \text{ J}\cdot\text{mol}^{-1}$	
<b>Evaluation</b> B		$\Delta S=13.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
		Liquid crystal-isotropic liquid transition.	
$C_{18}H_{16}N_2O_2$ (c)	83ZAM/KAI	c/liq 386.9 K, $\Delta H=20485 \text{ J}\cdot\text{mol}^{-1}$	
meso-2,3-Dimethoxy-2,3-diphenylsuccinonitrile		$\Delta S=52.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Heat Capacity</b> 298.15 K, $C_p=305.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		Crystal-liquid crystal transition.	
One temperature.		<b>Molecular Weight</b> 342.3506	
<b>Molecular Weight</b> 292.3366		<b>Wiswesser Line Notation</b> 2OVR DNO&UNR DVO2	
<b>Wiswesser Line Notation</b> NCXO1&R&XO1&CN&R		<b>Evaluation</b> B	
<b>Evaluation</b> B		Uncertain isomer; para assumed.	
$C_{18}H_{16}O_2Si$ (c)	75LEB/MIL	$C_{18}H_{18}O_6\cdot0.460CO$ (c)	63STE/COU
Dianisyldiethynylsilane		$\beta$ -Quinol carbon monoxide clathrate	
<b>Heat Capacity</b> 298.15 K, $C_p=402.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K, $C_p=431.79 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 60 to 315 K. Data deposited in VINITI. No. 1667-75, 11 June 1975.		Temperature range 15 to 300 K. Data also given for the 0.626, 0.757 and the 0.810 CO clathrates.	
<b>Entropy</b> 298.15 K, $S=446.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Molecular Weight</b> 343.2214	
<b>Molecular Weight</b> 292.4087		<b>Wiswesser Line Notation</b> QR DQ 3 &CO 0.46	
<b>Wiswesser Line Notation</b> IUU1 2-SI-IR DOI 2		<b>Evaluation</b> A	
<b>Evaluation</b> B			
$C_{18}H_{18}$ (c)	44EIB	$C_{18}H_{20}$ (c)	69SHI/MCN
1-Methyl-7-isopropylphenanthrene; Retene		3,3-Paracyclophane	
<b>Heat Capacity</b> 298.1 K, $C_p=294.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 300 K, $C_p=324.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 25 to 200 °C, equations only, in t °C. $C_p(c)=0.2620+0.001584t \text{ cal}\cdot\text{g}^{-1}\cdot\text{C}^{-1}$ (15 to 60 °C); $C_p(\text{liq})=0.364+0.000661t \text{ cal}\cdot\text{g}^{-1}\cdot\text{C}^{-1}$ (96 to 200 °C).		Temperatures 300, 318 K.	
<b>Phase Changes</b>		<b>Molecular Weight</b> 236.3560	
c/liq 369.0 K, $\Delta H=18030 \text{ J}\cdot\text{mol}^{-1}$		<b>Wiswesser Line Notation</b> L G6 C-14-6 A B G- G-&T&J	
$\Delta S=48.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Evaluation</b> B	
<b>Molecular Weight</b> 234.3402			
<b>Wiswesser Line Notation</b> L B666J EY1&1 K1		$C_{18}H_{20}O_2$ (c)	90WHI/ZAK
<b>Evaluation</b> C		4-p-Hydroxyphenyl-2,2,4-trimethylchroman	
$C_{18}H_{18}$ (liq)	78GOO/SCO	<b>Heat Capacity</b> 308.19 K, $C_p=354.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
2,2'-Biindanyl		Temperature range 30 to 330 K. Unsmoothed experimental datum. Data also given for the ethanol and carbon tetrachloride adducts.	
<b>Heat Capacity</b> 298.15 K, $C_p=332.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Molecular Weight</b> 268.3548	
One temperature. $C_p=0.339 \text{ cal}\cdot\text{g}^{-1}$ .		<b>Wiswesser Line Notation</b> T66 BOT&J C1 C1 D1 DR DQ	
<b>Molecular Weight</b> 234.3402		<b>Evaluation</b> B	
<b>Wiswesser Line Notation</b> L56T&J C- CL56T&J			
<b>Evaluation</b> B		$C_{18}H_{21}NO$ (liq)	74SHI/MAE
$C_{18}H_{18}$ (c)	83KRA/BEC	N-(4-Methoxybenzylidene)-p-n-butylaniline	
2,3-Dimethyl-2,3-diphenylbutane		<b>Heat Capacity</b> 298.15 K, $C_p=475.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Heat Capacity</b> 298 K, $C_p=321.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		Temperature range 2 to 330 K. Nematic liquid crystal.	
One temperature. $C_p$ given as 0.322 cal·K <sup>-1</sup> ·g <sup>-1</sup> .		<b>Phase Changes</b>	
<b>Molecular Weight</b> 238.3718		c,I/liq 294.45 K, $\Delta H=13148.6 \text{ J}\cdot\text{mol}^{-1}$	
<b>Wiswesser Line Notation</b> 1X1&R&X1&I&R		$\Delta S=44.65 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Evaluation</b> B		c,I/II/liq 295.65 K, $\Delta H=15937.7 \text{ J}\cdot\text{mol}^{-1}$	
		$\Delta S=53.91 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
		liq=Nematic liquid crystal. c,II=stable crystal form.	
$C_{18}H_{18}CINS$ (c)	83CHA/MAS	c,II/III/liq 320.14 K, $\Delta H=284.1 \text{ J}\cdot\text{mol}^{-1}$	
Chlorprothixene;		$\Delta S=0.89 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
2-Chloro-9-(3-dimethylamino-propylidene)-10-thioxanthene		Nematic-isotropic liquid transition.	
<b>Phase Changes</b>		<b>Molecular Weight</b> 267.3700	
c/liq 370.3 K, $\Delta H=27820 \text{ J}\cdot\text{mol}^{-1}$		<b>Wiswesser Line Notation</b> 4R DNU1R DO1	
$\Delta S=75.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Evaluation</b> A	
<b>Molecular Weight</b> 315.8663			
<b>Wiswesser Line Notation</b> T C666 BS IYT EG IU3N1&I			
<b>Evaluation</b> C			

$C_{18}H_{21}NO$ (liq)		75JAN/JAN	$C_{18}H_{22}$ (c)		83KRA/BE
N-(4-Methoxybenzylidene)-p-n-butylaniline			2,3-Dimethyl-2,3-diphenylbutane		
<b>Heat Capacity</b>	300 K, $C_p=490 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b>	298 K, $C_p=321.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 100 to 340 K. $C_p$ value estimated from graphical data.			One temperature. $C_p$ given as equal to $0.322 \text{ cal}\cdot\text{K}^{-1}\cdot\text{g}^{-1}$		
<b>Phase Changes</b>			<b>Molecular Weight</b>	238.3718	
c/liq	295.3 K, $\Delta H=18033 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=61.04 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Wiswesser Line Notation</b>	I X1&R&X1&1&R	
Data also given for metastable modification			<b>Evaluation</b>	C	
294.0 K, $\Delta H=14757 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=50.21 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$					
<b>Molecular Weight</b>	267.3700		$C_{18}H_{22}N_2O$ (liq)		85SHA/ZH
<b>Wiswesser Line Notation</b>	4R DNU1R DO1		4-Ethoxy-4'-butylazobenzene		
<b>Evaluation</b>	A(Phase changes), D( $C_p$ )		<b>Heat Capacity</b>	325.49 K, $C_p=535.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Phase change data for the metastable modification clearing point also given: T=317.0 K; $\Delta\Delta S=1.962 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ .			Temperature range 325 to 363 K. Unsmoothed experimental datum.		
$C_{18}H_{21}NO$ (liq)		82SHI/MIZ	<b>Phase Changes</b>		
N-(4-Methoxybenzylidene)-p-n-butylaniline			liq/liq	355.8 K, $\Delta H=655 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=1.84 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Heat Capacity</b>	298.15 K, $C_p=477 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Molecular Weight</b>	282.3846	
Temperature range 293 to 333 K. Data given graphically. $C_p$ value is a graphical estimate.			<b>Wiswesser Line Notation</b>	4R DNUNR DO2	
<b>Phase Changes</b>			<b>Evaluation</b>	B	
liq/liq	320.137 K Nematic-isotropic liquid transition.		$C_{18}H_{22}O_2$ (c)		57MA
<b>Molecular Weight</b>	267.3700		Di- $\alpha$ -cumyl peroxide		
<b>Wiswesser Line Notation</b>	4R DNU1R DO1		<b>Phase Changes</b>		
<b>Evaluation</b>	C		cliq	312.35 K, $\Delta H=28137 \text{ J}\cdot\text{mol}^{-1}$	
$C_{18}H_{21}NO_2$ (c)		71SOR/SEK	<b>Molecular Weight</b>	270.3706	
N-(2-Hydroxy-4-methoxybenzylidene)-p-butylaniline			<b>Wiswesser Line Notation</b>	I YR&1&OOYR&1&1	
<b>Phase Changes</b>			<b>Evaluation</b>	A	
c/liq	317 K		$C_{18}H_{24}$ (c)		81JEN/OB1
liq/liq	337.5 K		Triamantane		
Nematic mesophase to isotropic.			<b>Phase Changes</b>		
<b>Molecular Weight</b>	283.3694		c,II/c,I	293.65 K, $\Delta H=1106 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=3.77 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Wiswesser Line Notation</b>	4R DNU1R BQ DO1		Room temperature specific heat anomaly.		
<b>Evaluation</b>	A		<b>Molecular Weight</b>	240.3876	
$C_{18}H_{21}NO_2$ (c)		73SOR/SEK	<b>Wiswesser Line Notation</b>	L666 B666 E6/B-L/CN/JO/EP/HQ B- -11-AAABBCEFFJJ Q JXTJ	
N-(2-Hydroxy-4-methoxybenzylidene)-p-butylaniline			<b>Evaluation</b>	A	
<b>Heat Capacity</b>	300 K, $C_p=451.12 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		$C_{18}H_{24}Cr$ (c)		72NIK/SA
Temperature range 12 to 375 K.			Bis(diisopropylbenzene)chromium		
<b>Entropy</b>	300 K, $S=420.77 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b>	298.15 K, $C_p=633.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Phase Changes</b>			Temperature range 60 to 298.15 K.		
liq/liq	335.65 K, $\Delta H=887.4 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=2.64 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Entropy</b>	298.15 K, $S=569.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Nematic-isotropic liquid transition.			<b>Molecular Weight</b>	292.3836	
c/liq	314.52 K, $\Delta H=24405 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=71.24 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Wiswesser Line Notation</b>	L6 $\phi$ J AY1&1 DY1&1 $\phi$ -CR- $\phi$ L6 $\phi$ J AY1&1 DY1&1	
<b>Molecular Weight</b>	283.3694		<b>Evaluation</b>	B	
<b>Wiswesser Line Notation</b>	4R DNU1R BQ DO1		$C_{18}H_{24}CrI$ (c)		72NIK/SA
<b>Evaluation</b>	A		Bis(mesitylene)chromium iodide		
$C_{18}H_{22}$ (liq)		56MCE	<b>Heat Capacity</b>	298.15 K, $C_p=437.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
p,p'-Diisopropylbiphenyl			Temperature range 60 to 298.15 K.		
<b>Heat Capacity</b>	422 K, $C_p=520.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Entropy</b>	298.15 K, $S=443.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 300 to 600 °F.			<b>Phase Changes</b>		
<b>Molecular Weight</b>	238.3718		c,II/c,I	260 K, $\Delta H=105 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=0.40 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Wiswesser Line Notation</b>	I Y1&R DR DY1&1		<b>Molecular Weight</b>	419.2881	
<b>Evaluation</b>	C		<b>Wiswesser Line Notation</b>	L6 $\phi$ J A1 C1 D1 -CR- $\phi$ L6 $\phi$ J A1 C1 D1 &	
Quoted in 58WAL/BRO.			<b>Evaluation</b>	B	

$C_{18}H_{24}FeN_6S_6$ (c) Bis-(2,2'-bi-5-methyl-2-thiazoline)diisothiocyanato iron(II)	92KUL/IYE	$C_{18}H_{30}BaCa_2O_{12}$ (c) Barium dicalcium propionate	55MOM/SEK
<b>Heat Capacity</b> Temperature range 115 to 300 K. Data given graphically only.		<b>Phase Changes</b> c/liq 268.4 K,	$\Delta H = 7284 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 27.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Phase Changes</b> c,II/c,I 206 K, $\Delta H = 5700 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 27.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Molecular Weight</b> 655.9178 <b>Wiswesser Line Notation</b> OV1 6 &-BE-4 O	
Approximate values. <b>Molecular Weight</b> 572.6348		<b>Evaluation</b> B	
<b>Wiswesser Line Notation</b> T5NU CSTJ E1 B- BT5NU CSTJ E1 &-FE-NCS2			
<b>Evaluation</b> B			
$C_{18}H_{27}FeO_6$ (c) Tris(3-methylpentane-2,4-dionato)iron(III)	92RIB/FER3	$C_{18}H_{30}Ca_2O_{12}Pb$ (c) Lead dicalcium propionate	65NAK/SUG
<b>Phase Changes</b> c/g 422 K, $\Delta H = 164500 \text{ J}\cdot\text{mol}^{-1}$		<b>Heat Capacity</b> 298.15 K, Temperature range 15 to 300 K.	$C_p = 740.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b> 395.2547		<b>Entropy</b> 298.15 K,	$S = 983.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Wiswesser Line Notation</b> D6O-FE-O ADK D1 E1 F1 B-& BD6O-FE-O ADJ D1 E1 F1 B-& BDO-FE-O ADJ D1 E1 F1		<b>Phase Changes</b> c,II/c,I 191.5 K,	$\Delta H = 4853 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 24.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Evaluation</b> A		<b>Molecular Weight</b> 725.7878 <b>Wiswesser Line Notation</b> OV1 6 &-CA- 2 &-PB-	
		<b>Evaluation</b> A	
$C_{18}H_{28}O_4Si_4$ (c) 1,1,3,3,5,5-Hexamethyl-7,7-diphenylcyclotetrasiloxane	75MEK/KAR	$C_{18}H_{30}Ca_2O_{12}Sr$ (c) Strontium dicalcium propionate	65NAK/SUG
<b>Heat Capacity</b> Temperature range 13 to 320 K.		<b>Heat Capacity</b> 298.15 K, Temperature range 15 to 300 K.	$C_p = 728.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Entropy</b> 298.15 K, $S = 758.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Entropy</b> 298.15 K,	$S = 949.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Phase Changes</b> c/liq 305.09 K, $\Delta H = 42731 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 140.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Phase Changes</b> c,III/c,II 104.2 K,	$\Delta H = 1067 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 13.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b> 420.7588		c,II/c,I 282.6 K,	$\Delta H = 667.8 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 2.55 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Wiswesser Line Notation</b> T8-SI-O-SI-O-SI-O-SI-OTJ A1 A1 C1 C1 E1 E1 GR GR		<b>Molecular Weight</b> 606.2078 <b>Wiswesser Line Notation</b> OV1 6 &-CA- 2 &-SR-	
<b>Evaluation</b> B		<b>Evaluation</b> A	
$C_{18}H_{28}O_4Si_4$ (c) 1,1,3,3,5,5-Hexamethyl-7,7-diphenylcyclotetrasiloxane	81MEK/KAR	$C_{18}H_{30}O_4$ (c) p-Diacetylbenzene diethyl ketal	77KAR/SAP
<b>Heat Capacity</b> 298.15 K, $C_p = 633.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Phase Changes</b> c,II/c,I 168.2 K,	$\Delta H = 1305 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 8.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 13 to 390 K. Data given graphically.		c,I/liq 326.21 K,	$\Delta H = 23502 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 23502/326.21 = 72.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Entropy</b> 298.15 K, $S = 758.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Molecular Weight</b> 310.4326 <b>Wiswesser Line Notation</b> 2OX1&O2&R DX1&O2&O2	
<b>Phase Changes</b> c/liq 304.96 K, $\Delta H = 42731 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 140.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Evaluation</b> A T(glass)=208.0 K.	
<b>Molecular Weight</b> 420.7588			
<b>Wiswesser Line Notation</b> T8-SI-O-SI-O-SI-O-SI-OTJ A1 A1 C1 C1 E1 E1 GR GR			
<b>Evaluation</b> A			
$C_{18}H_{30}$ (c) Hexaethylbenzene	86CHI/ANN	$C_{18}H_{30}O_4$ (c) p-Diacetylbenzene diethyl ketal	78KAR/RAB
<b>Phase Changes</b> c/g $\Delta H = 94977 \text{ J}\cdot\text{mol}^{-1}$		<b>Heat Capacity</b> 298.15 K, Temperature range 5 to 340 K.	$C_p = 462.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b> 246.4350		<b>Entropy</b> 298.15 K,	$S = 493.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Wiswesser Line Notation</b> 2R B2 C2 D2 E2 F2		<b>Phase Changes</b> c,II/c,I 168.24 K,	$\Delta H = 1307 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 8.14 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Evaluation</b> A		c,I/liq 326.61 K,	$\Delta H = 23500 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 71.95 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
$C_{18}H_{30}$ (liq) 3-Ethylperhydroxyrene	62GOL/BEL	<b>Molecular Weight</b> 310.4326 <b>Wiswesser Line Notation</b> 2OX1&O2&R DX1&O2&O2	
<b>Heat Capacity</b> 311 K, $C_p = 459.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Evaluation</b> A T(glass)=208 K.	
Temperatures 100, 200, 300 °F.			
<b>Molecular Weight</b> 246.4350			
<b>Wiswesser Line Notation</b> L666 B6 2AB PJ F2			
<b>Evaluation</b> C			

$C_{18}H_{30}O_4$ (c)		78KAR/SAP	$C_{18}H_{32}$ (liq)		63GUD/CA
p-Diacetylbenzene diethyl ketal			p-Tercylcohexyl		
<b>Heat Capacity</b> 300 K,	$C_p = 460 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 423 K,	$C_p = 564.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 5 to 326.1 K. Data given graphically. Value estimated from graph.			One temperature.		
<b>Entropy</b> 298.15 K,	$S = 493.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Molecular Weight</b> 248.4521		
<b>Phase Changes</b>			<b>Wiswesser Line Notation</b> L6TJ AAL6TJ D- AL6TJ		
c,II/c,I	168.2 K,	$\Delta H = 1307 \text{ J}\cdot\text{mol}^{-1}$	<b>Evaluation</b>	C	
		$\Delta S = 8.15 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
c,I/liq	326.21 K,	$\Delta H = 23500 \text{ J}\cdot\text{mol}^{-1}$			
		$\Delta S = 72.04 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
<b>Molecular Weight</b> 310.4326			$C_{18}H_{32}O$ (liq)		88BAG/GI
<b>Wiswesser Line Notation</b> 2OX1&O2&R DX1&O2&O2			6,10,14-Trimethyl-3,5-pentadecadien-2-one		
<b>Evaluation</b>	$C(C_p)$ , A(S,Phase changes)		<b>Heat Capacity</b> 293.95 K,	$C_p = 555.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
T(glass)=208.0 K.			Temperature range 270 to 340 K. Unsmoothed experimental datum.		
$C_{18}H_{32}$ (liq)		62GOL/BEL	<b>Molecular Weight</b> 264.4502		
1-Cyclohexyl-1,3,3-trimethylhydroindan			<b>Wiswesser Line Notation</b> 1Y3Y3YU2U1V1		
<b>Heat Capacity</b> 311 K,	$C_p = 457.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Evaluation</b>	B	
Temperatures 100, 200, 300 °F.			$C_{18}H_{34}$ (liq)		63GUD/CA
<b>Molecular Weight</b> 248.4521			1,1-Bis(dimethylcyclohexyl)ethane		
<b>Wiswesser Line Notation</b> L56TJ B1 B1 D1 D- AL6TJ			<b>Heat Capacity</b> 313 K,	$C_p = 461.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Evaluation</b>	C		Temperature range 313 to 483 K.		
$C_{18}H_{32}$ (liq)		63GUD/CAM	<b>Molecular Weight</b> 250.4666		
1-Cyclohexyl-1,3,3-trimethylhydroindan			<b>Wiswesser Line Notation</b> L6TJ A1 X1 XY1&- AL6TJ X1 X1		
<b>Heat Capacity</b> 313 K,	$C_p = 456.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Evaluation</b>	C	
Temperature range 313 to 483 K.			$C_{18}H_{34}$ (liq)		63GUD/CA
<b>Molecular Weight</b> 248.4521			1,1-Bis(ethylcyclohexyl)ethane		
<b>Wiswesser Line Notation</b> L56TJ B1 B1 D1 D- AL6TJ			<b>Heat Capacity</b> 313 K,	$C_p = 477.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Evaluation</b>	C		Temperature range 313 to 483 K.		
$C_{18}H_{32}$ (liq)		62GOL/BEL	<b>Molecular Weight</b> 250.4666		
o-Tercylcohexyl			<b>Wiswesser Line Notation</b> L6TJ A2 XY1&- AL6TJ X2		
<b>Heat Capacity</b> 311 K,	$C_p = 424.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Evaluation</b>	C	
Temperatures 100, 200, 300 °F.			$C_{18}H_{34}O_2$ (c)		90SAT/Y(
<b>Molecular Weight</b> 248.4521			cis- $\omega$ -12,δ-6-Octadecenoic acid; Petroselinic acid		
<b>Wiswesser Line Notation</b> L6TJ AAL6TJ B- AL6TJ			<b>Phase Changes</b>		
<b>Evaluation</b>	C		c/liq	303.65 K,	$\Delta H = 47500 \text{ J}\cdot\text{mol}^{-1}$
$C_{18}H_{32}$ (liq)		63GUD/CAM			$\Delta S = 156.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
o-Tercylcohexyl			High-melting form.		
<b>Heat Capacity</b> 313 K,	$C_p = 427.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		c/liq	301.65 K	
Temperature range 313 to 483 K.			Low-melting form.		
<b>Molecular Weight</b> 248.4521			<b>Molecular Weight</b> 282.4654		
<b>Wiswesser Line Notation</b> L6TJ AAL6TJ B- AL6TJ			<b>Wiswesser Line Notation</b> QV5U12 -C		
<b>Evaluation</b>	C		<b>Evaluation</b>	A	
$C_{18}H_{32}$ (liq)		62GOL/BEL	$C_{18}H_{34}O_2$ (liq)		90SAT/Y(
m-Tercylcohexyl			Oleic acid; cis-9-Octadecenoic acid		
<b>Heat Capacity</b> 311 K,	$C_p = 457.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Phase Changes</b>		
Temperatures 100, 200, 300 °F.			c,α/liq	286.45 K,	$\Delta H = 39600 \text{ J}\cdot\text{mol}^{-1}$
<b>Molecular Weight</b> 248.4521					$\Delta S = 138.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Wiswesser Line Notation</b> L6TJ AAL6TJ C- AL6TJ			High-melting, α-form.		
<b>Evaluation</b>	C		c,β/liq	289.35 K,	$\Delta H = 51900 \text{ J}\cdot\text{mol}^{-1}$
$C_{18}H_{32}$ (liq)		63GUD/CAM			$\Delta S = 179.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
m-Tercylcohexyl			Low-melting, β-form.		
<b>Heat Capacity</b> 373 K,	$C_p = 502.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Molecular Weight</b> 282.4654		
Temperature range 373 to 483 K.			<b>Wiswesser Line Notation</b> QV8U9 -C		
<b>Molecular Weight</b> 248.4521			<b>Evaluation</b>	A	
<b>Wiswesser Line Notation</b> L6TJ AAL6TJ C- AL6TJ					
<b>Evaluation</b>	C				

<b>C<sub>18</sub>H<sub>34</sub>O<sub>3</sub></b> (liq)	84URY/MOC	<b>C<sub>18</sub>H<sub>36</sub></b> (liq)	49PAR/MOO
Castor oil; Natural ricinoleic acid		n-Dodecylcyclohexane	
<b>Heat Capacity</b> 300 K,	$C_p = 646 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p = 615.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 80 to 320 K.		Extrapolation below 80 K, 119.3 $\text{J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .	
<b>Entropy</b> 300 K,	$S = 620 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Phase Changes</b>	
<b>Phase Changes</b>		Hump in specific heat curve at 229 to 249 K.	
c,II/c,I	205 K	c/liq	258.8 K, $\Delta H = 45836 \text{ J} \cdot \text{mol}^{-1}$
Glass transition; $\Delta C_p = 0.55 \text{ J} \cdot \text{g}^{-1} \cdot \text{K}^{-1}$ for glass to supercooled liquid transition.			$\Delta S = 160.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c/liq	264.87 K, $\Delta H = 17016 \text{ J} \cdot \text{mol}^{-1}$	<b>Molecular Weight</b> 252.4824	
	$\Delta S = 64.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Wiswesser Line Notation</b> L6TJ A12	
<b>Molecular Weight</b> 298.4648		Evaluation	B(C <sub>p</sub> ),C(S)
<b>Wiswesser Line Notation</b> QV8U2YQ6			
<b>Evaluation</b> B			
General difference in enthalpy of glassy and crystalline phases at T=0 K is $31.7 \text{ J} \cdot \text{g}^{-1}$ ( $9397 \text{ J} \cdot \text{mol}^{-1}$ ). Entropy of the glassy phase at T=0 K is $0.097 \text{ J} \cdot \text{g}^{-1} \cdot \text{K}^{-1}$ ( $28.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ ). Castor oil is about 88% ricinoleic acid.			
<b>C<sub>18</sub>H<sub>34</sub>O<sub>4</sub></b> (liq)	76PHI/MAT	<b>C<sub>18</sub>H<sub>36</sub></b> (liq)	63GUD/CAM
Di-n-butyl sebacate		Hexaethylcyclohexane	
<b>Heat Capacity</b> 312 K,	$C_p = 619 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 313 K,	$C_p = 530.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 312 to 412 K.		Temperature range 313 to 483 K.	
<b>Molecular Weight</b> 314.4642		<b>Molecular Weight</b> 252.4824	
<b>Wiswesser Line Notation</b> 4OV8VO4		<b>Wiswesser Line Notation</b> L6TJ A2 B2 C2 D2 E2 F2	
<b>Evaluation</b> C		Evaluation	C
<b>C<sub>18</sub>H<sub>34</sub>O<sub>4</sub>Pb</b> (c,II)	78ADE/SIM	<b>C<sub>18</sub>H<sub>36</sub></b> (c)	69BOR/DAL
Lead(II) nonanoate; Lead(II) pelargonate		Cyclooctadecane	
<b>Heat Capacity</b> 310 K,	$C_p = 926 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Phase Changes</b>	
Mean value 353 to 363 K. Data only graphically for c,III. Data also for c,I, 370–378 K, and liquid, 413 to 463 K.		c,II/c,I	298 K, $\Delta H = 29288 \text{ J} \cdot \text{mol}^{-1}$
<b>Phase Changes</b>		c/liq	$\Delta S = 97.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c,II and c,I are mesophases.			$\Delta H = 9874 \text{ J} \cdot \text{mol}^{-1}$
c,II/c,I	367.4 K, $\Delta H = 16400 \text{ J} \cdot \text{mol}^{-1}$		$\Delta S = 28.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c,I/liq	384.8 K, $\Delta S = 45 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b> 252.4824	
	$\Delta H = 1300 \text{ J} \cdot \text{mol}^{-1}$	<b>Wiswesser Line Notation</b> L-18-TJ	
<b>Molecular Weight</b> 521.6642		Evaluation	B
<b>Wiswesser Line Notation</b> OV8 2 .PB			
<b>Evaluation</b> C			
<b>C<sub>18</sub>H<sub>35</sub>O<sub>2</sub>Tl</b> (c)	76MEI/SEY	<b>C<sub>18</sub>H<sub>36</sub>N<sub>2</sub>O<sub>2</sub></b> (c)	53WIL/DOL
Thallium octadecanoate		N,N'-Di-n-hexyl adipamide	
<b>Phase Changes</b>		<b>Heat Capacity</b> 373 K,	$C_p = 644.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c,III/c,II	324 K, $\Delta H = 9623 \text{ J} \cdot \text{mol}^{-1}$	Temperature range 373 to 583 K.	
c,II/c,I	380 K, $\Delta S = 29.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Phase Changes</b>	
c,I/liq	385 K, $\Delta H = 12134 \text{ J} \cdot \text{mol}^{-1}$	c/liq	432 K, $\Delta H = 4079.5 \text{ J} \cdot \text{mol}^{-1}$
liq/liq	444 K, $\Delta S = 12.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		$\Delta S = 94.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
	$\Delta H = 5439 \text{ J} \cdot \text{mol}^{-1}$	<b>Molecular Weight</b> 312.4946	
Mesophase-isotropic.	$\Delta S = 14.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Wiswesser Line Notation</b> 6MV4VM6	
<b>Molecular Weight</b> 487.8433	$\Delta H = 1381 \text{ J} \cdot \text{mol}^{-1}$	Evaluation	C
<b>Wiswesser Line Notation</b> OV17 .TL	$\Delta S = 3.05 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
<b>Evaluation</b> B			
<b>C<sub>18</sub>H<sub>36</sub>O</b> (liq)	88BAG/GUR	<b>C<sub>18</sub>H<sub>36</sub>O<sub>2</sub></b> (liq)	34KIN/GAR
6,10,14-Trimethyl-2-pentadecanone; Phytone		Ethyl hexadecanoate; Ethyl palmitate	
<b>Heat Capacity</b> 293.85 K,	$C_p = 593.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Phase Changes</b>	
Temperature range 270 to 340 K. Unsmoothed experimental datum.		c/liq	296.35 K, $\Delta H = 15093 \text{ J} \cdot \text{mol}^{-1}$
<b>Molecular Weight</b> 268.4818			
<b>Wiswesser Line Notation</b> 1Y3Y3Y3V1		<b>Molecular Weight</b> 284.4812	
<b>Evaluation</b> B		<b>Wiswesser Line Notation</b> 15VO2	
		Evaluation	B
		Data on the specific heats are given at or near the phase transitions.	

$C_{18}H_{36}O_2$ (c)		1889EYK	$C_{18}H_{38}$ (liq)	49PAR/MO
Octadecanoic acid; Stearic acid			n-Octadecane	
<b>Phase Changes</b>			<b>Heat Capacity</b> 300 K,	$C_p=564.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c/liq 326.1 K,		$\Delta H=64643 \text{ J}\cdot\text{mol}^{-1}$	Temperature range 80 to 300 K.	
		$\Delta S=198 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Entropy</b> 298.15 K,	$S=696.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b> 284.4812			Supercooled liquid. Extrapolation below 80 K, 127.7 $\text{J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ .	
<b>Wiswesser Line Notation</b> QV17			<b>Phase Changes</b>	
<b>Evaluation</b> C			Hump in specific heat curve at 228 to 240 K.	
$C_{18}H_{36}O_2$ (c)		50SIN/WAR	c/liq 301.3 K,	$\Delta H=60484 \text{ J}\cdot\text{mol}^{-1}$
Octadecanoic acid; Stearic acid				$\Delta S=200.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Heat Capacity</b> 298.15 K,		$C_p=561.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Molecular Weight</b> 254.4982	
Temperature range 154 to 350 K.			<b>Wiswesser Line Notation</b> 18H	
<b>Entropy</b> 298.15 K,		$S=435.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Evaluation</b> B( $C_p$ ),C(S)	
Extrapolation below 90 K, 64.4 $\text{J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ .				
<b>Phase Changes</b>			$C_{18}H_{38}$ (c)	55SCH/BU
Transition between B & C forms previously reported as 52.90 °C is			n-Octadecane	
high. Irreversible and slow change observed as low as 35.2 °C.			<b>Heat Capacity</b> 301.35 K,	$C_p=61379 \text{ J}\cdot\text{mol}^{-1}$
c/liq 342.65 K,		$\Delta H=68450 \text{ J}\cdot\text{mol}^{-1}$		$\Delta S=203.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
		$\Delta S=1998 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Molecular Weight</b> 254.4982	
<b>Molecular Weight</b> 284.4812			<b>Wiswesser Line Notation</b> 18H	
<b>Wiswesser Line Notation</b> QV17			<b>Evaluation</b> B	
<b>Evaluation</b> C				
$C_{18}H_{36}O_2$ (c)		82SCH/MIL2	$C_{18}H_{38}$ (c)	67MES/GU
Octadecanoic acid; Stearic acid			n-Octadecane	
<b>Heat Capacity</b> 298.15 K,		$C_p=501.55 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p=485.64 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 80 to 355 K.			Temperature range 12 to 380 K.	
<b>Phase Changes</b>			<b>Entropy</b> 298.15 K,	$S=480.20 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c/I/liq 342.49 K,		$\Delta H=61208 \text{ J}\cdot\text{mol}^{-1}$	<b>Phase Changes</b>	
		$\Delta S=178.12 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	c/liq 301.33 K,	$\Delta H=61706 \text{ J}\cdot\text{mol}^{-1}$
<b>Molecular Weight</b> 284.4812				$\Delta S=204.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Wiswesser Line Notation</b> QV17			<b>Molecular Weight</b> 254.4982	
<b>Evaluation</b> B			<b>Wiswesser Line Notation</b> 18H	
$C_{18}H_{36}O_2$ (c)		83BEC/ROU	<b>Evaluation</b> A	
Octadecanoic acid; Stearic acid			$C_{18}H_{38}$ (liq)	81HC
<b>Phase Changes</b>			n-Octadecane	
c/liq 345, 346 K,		$\Delta H=62600 \text{ J}\cdot\text{mol}^{-1}$	<b>Heat Capacity</b> 325 K,	$C_p=568 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
		$\Delta S=181 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	Temperature range 300 to 500 K. Cv=2.20 $\text{J}\cdot\text{g}^{-1}\cdot\text{K}^{-1}$ .	
First peak due to pre-melting or dissociation.			<b>Molecular Weight</b> 254.4982	
<b>Molecular Weight</b> 284.4812			<b>Wiswesser Line Notation</b> 18H	
<b>Wiswesser Line Notation</b> QV17			<b>Evaluation</b> B	
<b>Evaluation</b> B				
$C_{18}H_{36}O_2$ (c)		90SAT/YOS	$C_{18}H_{38}$ (c)	85KOL/SY
Octadecanoic acid; Stearic acid			n-Octadecane	
<b>Phase Changes</b>			<b>Phase Changes</b>	
c/liq 342.75 K,		$\Delta H=61300 \text{ J}\cdot\text{mol}^{-1}$	c/liq 301.0 K,	$\Delta H=60760 \text{ J}\cdot\text{mol}^{-1}$
		$\Delta S=178.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		$\Delta S=201.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b> 284.4812			<b>Molecular Weight</b> 254.4982	
<b>Wiswesser Line Notation</b> QV17			<b>Wiswesser Line Notation</b> 18H	
<b>Evaluation</b> A			<b>Evaluation</b> A	
$C_{18}H_{37}Cl$ (liq)		75STR/SUN	$C_{18}H_{38}$ (c)	91BAR/SC
1-Chlorooctadecane; n-Octadecyl chloride			n-Octadecane	
<b>Heat Capacity</b> 301 K,		$C_p=606.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Phase Changes</b>	
One temperature.			c/liq 301.5 K,	$\Delta H=61500 \text{ J}\cdot\text{mol}^{-1}$
<b>Phase Changes</b>			<b>Molecular Weight</b> 254.4982	
liq/g 298.15 K,		$\Delta H=98160 \text{ J}\cdot\text{mol}^{-1}$	<b>Wiswesser Line Notation</b> 18H	
		$\Delta S=329.22 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Evaluation</b> A	
$\Delta H$ vaporization from equation using data from 68WAD.				
<b>Molecular Weight</b> 288.9433				
<b>Wiswesser Line Notation</b> G18				
<b>Evaluation</b> B				

$C_{18}H_{38}$ (liq)		91CLA/LET	$C_{18,4}H_{19,8}O_6$ (c)	60PAR/STA
n-Octadecane			$\beta$ -Quinol-methane clathrate	
<b>Phase Changes</b>			<b>Heat Capacity</b> 297.83 K, $C_p=428.40 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
c,II/c,I	$\Delta H=19850 \text{ J}\cdot\text{mol}^{-1}$		Temperature range 13 to 298 K. Value is unsmoothed experimental datum.	
Transition temperature not measurable.			<b>Molecular Weight</b> 337.6681	
c,II/liq	$\Delta H=46170 \text{ J}\cdot\text{mol}^{-1}$		<b>Wiswesser Line Notation</b> QR DQ 3 & 1H 0.457	
Transition temperature not measurable.			<b>Evaluation</b> A	
c,I/liq	300.7 K,	$\Delta H=60670 \text{ J}\cdot\text{mol}^{-1}$		
<b>Molecular Weight</b> 254.4982				
<b>Wiswesser Line Notation</b> 18H				
<b>Evaluation</b>	A			
$C_{18}H_{38}O$ (liq)		89KHA/ZYK	$C_{18,4}H_{44,6}N_2S$ (c,I)	72COP/GAN
1-Octadecanol; n-Octadecyl alcohol			Thiourea-2,2-dimethylbutane adduct; 2,2-Dimethylbutane-thiourea adduct	
<b>Heat Capacity</b> 343.15 K,			<b>Heat Capacity</b> 298.15 K, $C_p=154.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 343 to 583 K.			Temperature range 12 to 300 K. Values for one mole of thiourea.	
<b>Molecular Weight</b> 270.4976			<b>Entropy</b> 298.15 K, $S=191.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Wiswesser Line Notation</b> Q18			Does not include possible zero-point entropy.	
<b>Evaluation</b>	B			
$C_{18}H_{38}O_7$ (liq)		82ZAR	<b>Phase Changes</b>	
Hexapropylene glycol			c,IV/c,III	$\Delta H=899 \text{ J}\cdot\text{mol}^{-1}$
<b>Heat Capacity</b> 298 K,				$\Delta S=12.62 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 298, 323, 363 K.			c,III/c,II	$\Delta H=3364 \text{ J}\cdot\text{mol}^{-1}$
<b>Molecular Weight</b> 366.4940				$\Delta S=8.96 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Wiswesser Line Notation</b> QYOYOYOYOYOYQ			P=37.50 kPa.	
<b>Evaluation</b>	B		c,II/c,I	$\Delta H=696 \text{ J}\cdot\text{mol}^{-1}$
				$\Delta S=4.12 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
$C_{18}H_{38}S$ (liq)		82TUT/GAB	<b>Molecular Weight</b> 326.0281	
1-Octadecanethiol; n-Octadecyl mercaptan			<b>Wiswesser Line Notation</b> 2X1&1&1 2.90 & ZYZUS	
<b>Heat Capacity</b> 300 K,			<b>Evaluation</b>	A
Temperature range 273 to 373 K. $C_p=626.52+4.423\times 10^{-2}T+9.800\times 10^{-5}T^2$ .				
<b>Molecular Weight</b> 286.5582				
<b>Wiswesser Line Notation</b> SH18				
<b>Evaluation</b>	B			
$C_{18}H_{42}Br_2N_2$ (c,II)		74BUR/VER	$C_{18,7}H_{21}O_6$ (c)	60PAR/STA
1,6-Bis(triethylammonium)hexane dibromide			$\beta$ -Quinol-methane clathrate	
<b>Heat Capacity</b> 298 K,			<b>Heat Capacity</b> 287.79 K, $C_p=423.71 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 273 to 373 K.			Temperature range 13 to 298 K. Value is unsmoothed experimental datum.	
<b>Phase Changes</b>			<b>Molecular Weight</b> 342.4488	
c,II/c,I	495 K,	$\Delta H=18830 \text{ J}\cdot\text{mol}^{-1}$	<b>Wiswesser Line Notation</b> QR DQ 3 & 1H 0.755	
		$\Delta S=38.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Evaluation</b>	A
Temperature range 482 to 505 K.				
<b>Molecular Weight</b> 446.3512				
<b>Wiswesser Line Notation</b> 2K2&2&6K2&2&2 E 2				
<b>Evaluation</b>	B			
$C_{18,1}H_{18,6}O_6$ (c)		60PAR/STA	$C_{19}H_{13}N_3O_7$ (c)	79FAR/SHA
$\beta$ -Quinol-methane clathrate			Fluorene-picric acid	
<b>Heat Capacity</b> 296.62 K,			<b>Phase Changes</b>	
Temperature range 13 to 298 K. Value is unsmoothed experimental datum.			c/liq	$\Delta H=26800 \text{ J}\cdot\text{mol}^{-1}$
<b>Molecular Weight</b> 332.9836				$\Delta S=76.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Wiswesser Line Notation</b> QR DQ 3 & 1H 0.165			<b>Molecular Weight</b> 395.3276	
<b>Evaluation</b>	A		<b>Wiswesser Line Notation</b> L B656 HHJ & WNR BQ CNW ENW	
			<b>Evaluation</b>	B
$C_{19}H_{14}N_2$ (c)		74KAR/RAB	$C_{19}H_{14}N_2$ (c)	
1,2-Diphenylbenzimidazole			$\beta$ -Quinol-methane	
<b>Heat Capacity</b> 298.15 K,			<b>Heat Capacity</b> 298.15 K, $C_p=318.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 10 to 450 K.			Temperature range 10 to 450 K.	
<b>Entropy</b> 298.15 K,			<b>Entropy</b> 298.15 K, $S=306.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Molecular Weight</b> 270.3330			<b>Molecular Weight</b> 270.3330	
<b>Wiswesser Line Notation</b> T56 BN DNJ CR DR			<b>Wiswesser Line Notation</b> GXR&R&R	
<b>Evaluation</b>	A		<b>Evaluation</b>	C
$C_{19}H_{15}Cl$ (c)		31SMII/AND	<b>Molecular Weight</b> 278.7805	
Triphenylchloromethane			<b>Wiswesser Line Notation</b>	
<b>Heat Capacity</b> 298.5 K,			GXR&R&R	
Temperature range 102 to 346 K. Value is unsmoothed experimental datum.			<b>Evaluation</b>	C
<b>Molecular Weight</b> 278.7805				
<b>Wiswesser Line Notation</b>				

<b>C<sub>19</sub>H<sub>15</sub>Cl</b> (c)		91NAO/SEK	<b>C<sub>19</sub>H<sub>16</sub></b> (liq)		50KUJ
Triphenylchloromethane			Triphenylmethane		
<b>Heat Capacity</b> 298.15 K,	$C_p = 367.27 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 373 K,	$C_p = 454.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 232 to 411 K. $C_p$ value calculated from equation.			Temperature range 100 to 343 °C.		
$C_p(c) = -3980 + 55.15T - 0.2726T^2 + 6.07 \times 10^{-4}T^3 - 5.0 \times 10^{-7}T^4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ (232.8 to 359.0 K).			<b>Molecular Weight</b> 244.3354		
<b>Phase Changes</b>			<b>Wiswesser Line Notation</b> RYR&R		
c/gls 250 K			Evaluation B		
c/liq 376.8 K,	$\Delta H = 27900 \text{ J} \cdot \text{mol}^{-1}$	$\Delta S = 74.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
<b>Molecular Weight</b> 278.7805					
<b>Wiswesser Line Notation</b> GXR&R&R					
Evaluation B					
<b>C<sub>19</sub>H<sub>16</sub></b> (c)		17HIL/DUS	<b>C<sub>19</sub>H<sub>16</sub></b> (c)		79ST
Triphenylmethane			Triphenylmethane		
<b>Heat Capacity</b> 298.15 K,	$C_p = 261.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K,	$C_p = 295.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 293 to 418 K. From heat content data.			One temperature.		
<b>Phase Changes</b>			<b>Molecular Weight</b> 244.3354		
c/liq 365.5 K,	$\Delta H = 18200 \text{ J} \cdot \text{mol}^{-1}$	$\Delta S = 49.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Wiswesser Line Notation</b> RYR&R		
<b>Molecular Weight</b> 244.3354			Evaluation C		
<b>Wiswesser Line Notation</b> RYR&R					
Evaluation C					
<b>C<sub>19</sub>H<sub>16</sub></b> (c)		30HUF/PAR	<b>C<sub>19</sub>H<sub>16</sub>N<sub>2</sub>O</b> (c)		74KAR/RA
Triphenylmethane			N-Benzoyl-o-aminodiphenylamine		
<b>Heat Capacity</b> 294.3 K,	$C_p = 294.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K,	$C_p = 356.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 89 to 294 K. Value is unsmoothed datum.			Temperature range 10 to 450 K.		
<b>Entropy</b> 298.1 K,	$S = 312.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Entropy</b> 298.15 K,	$S = 340.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Extrapolation below 90 K, 99.75 $\text{J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .			<b>Molecular Weight</b> 288.3482		
<b>Molecular Weight</b> 244.3354			<b>Wiswesser Line Notation</b> RVMR BMR		
<b>Wiswesser Line Notation</b> RYR&R			Evaluation A		
Evaluation B( $C_p$ ),C(S)					
<b>C<sub>19</sub>H<sub>16</sub></b> (c)		31SMI/AND	<b>C<sub>19</sub>H<sub>16</sub>O</b> (c)		31SMI/AN
Triphenylmethane			Triphenylcarbinol		
<b>Heat Capacity</b> 298.15 K,	$C_p = 295.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298.5 K,	$C_p = 318.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 102 to 346 K. Value is unsmoothed experimental datum.			Temperature range 102 to 346 K. Value is unsmoothed experimental datum.		
<b>Molecular Weight</b> 244.3354			<b>Molecular Weight</b> 260.3348		
<b>Wiswesser Line Notation</b> RYR&R			<b>Wiswesser Line Notation</b> QXR&R&R		
Evaluation C			Evaluation C		
<b>C<sub>19</sub>H<sub>16</sub></b> (c)		32SPA/THO	<b>C<sub>19</sub>H<sub>20</sub>F<sub>3</sub>N<sub>3</sub>O<sub>3</sub></b> (c)		89PIN/GO
Triphenylmethane			2-[3-(trifluoromethyl)-phenyl]amino-3-pyridinecarboxylic acid, β-morpholino ethyl ester; Morniflumate		
<b>Heat Capacity</b> 298.15 K,	$C_p = 295.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K,	$C_p = 440.78 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 102 to 346 K. Value is unsmoothed experimental datum.			Temperature range 100 to 500 K. $C_p(c) = 1.2T + 83 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ (11 to 340 K). $C_p(\text{liq}) = 1.4T + 142 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ (356 to 439 K). $C_p$ value calculated from the equation.		
<b>Molecular Weight</b> 244.3354			<b>Phase Changes</b>		
<b>Wiswesser Line Notation</b> RYR&R			c/liq 350 K,	$\Delta H = 34500 \text{ J} \cdot \text{mol}^{-1}$	
Evaluation C				$\Delta S = 101 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>C<sub>19</sub>H<sub>16</sub></b> (c)			<b>Molecular Weight</b> 395.3805		
Triphenylmethane			<b>Wiswesser Line Notation</b>		
<b>Heat Capacity</b> 303 K,	$C_p = 308.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		Evaluation A		
Temperature range 30 to 110 °C.					
<b>Phase Changes</b>					
c/liq 365.3 K,	$\Delta H = 21979 \text{ J} \cdot \text{mol}^{-1}$	$\Delta S = 60.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
<b>Molecular Weight</b> 244.3354					
<b>Wiswesser Line Notation</b> RYR&R					
Evaluation B					
<b>C<sub>19</sub>H<sub>16</sub></b> (c)		44EIB	<b>C<sub>19</sub>H<sub>20</sub>N<sub>2</sub>O<sub>3</sub></b> (c)		83FAN/PC
Triphenylmethane			4-Propionyl-4'-n-butanoxyloxybenzene		
<b>Heat Capacity</b> 298.1 K,	$C_p = 333.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Phase Changes</b>		
Temperature range 30 to 200 °C, equations only, in t °C.			c/liq 366 K,	$\Delta H = 15021 \text{ J} \cdot \text{mol}^{-1}$	
$C_p(c) = 0.326 \text{ cal} \cdot \text{g}^{-1} \cdot \text{C}^{-1}$ (30 to 90 °C); $C_p(\text{liq}) = 0.325 + 0.000889t \text{ cal} \cdot \text{g}^{-1} \cdot \text{C}^{-1}$ (92 to 200 °C).				$\Delta S = 41.04 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Phase Changes</b>					
c/liq 365.6 K,	$\Delta H = 20920 \text{ J} \cdot \text{mol}^{-1}$	$\Delta S = 57.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
<b>Molecular Weight</b> 244.3354					
<b>Wiswesser Line Notation</b> RYR&R					
Evaluation C					
			Mesophase observed between 366 and 393 K.		
			Solid-smectic H or G.		
			<b>Molecular Weight</b> 324.3786		
			<b>Wiswesser Line Notation</b> 3VOR DNUNR DV2		
			<b>Evaluation</b> A		
			Smectic H or G-smectic A; smectic A-nematic; nematic-isotropic liquid phase change data also given: 392.65 K, $\Delta\Delta H = 10920 \text{ J} \cdot \text{mol}^{-1}$ ; 409.1 K, $\Delta\Delta H = 4100 \text{ J} \cdot \text{mol}^{-1}$ ; 428.65 K, $\Delta\Delta H = 753 \text{ J} \cdot \text{mol}^{-1}$ .		

<b>C<sub>19</sub>H<sub>24</sub>N<sub>2</sub>O<sub>3</sub></b> (c)	88FAN/POE	<b>C<sub>19</sub>H<sub>22</sub>FNO</b> (c)	82TSU/SOR2
4-n-Pantanoyl-4-n'-ethanoyloxyazobenzene		p-n-Hexyloxybenzylideneamino-p'-fluorobenzene	
<b>Phase Changes</b>		<b>Heat Capacity</b>	298.15 K, $C_p = 442.55 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c,II/c,I	367.5 K, $\Delta H = 6840 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 18.61 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	Temperature range 15 to 385 K.	
c,II/liq	387.4 K, $\Delta H = 26966 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 69.609 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Entropy</b>	298.15 K, $S = 438.76 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Solid-nematic.		<b>Phase Changes</b>	
liq/liq	400.1 K, $\Delta H = 665 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 1.661 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	c/liq	328.07 K, $\Delta H = 23220 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 70.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Nematic-isotropic.		Crystal to smectic B.	
<b>Molecular Weight</b>	324.3786	liq/liq	330.33 K, $\Delta H = 3050 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 9.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Wiswesser Line Notation</b>	4VR DNUNR DOV1	Smectic B - smectic A transition.	
<b>Evaluation</b>	A	liq/liq	334.88 K, $\Delta H = 3410 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 10.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
		Smectic A - nematic liquid transition.	
		liq/liq	336.33 K, $\Delta H = 1170 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 3.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
		Nematic - isotropic liquid transition.	
<b>C<sub>19</sub>H<sub>22</sub>CINO</b> (c)	77TSU/SOR	<b>Molecular Weight</b>	299.3873
p-n-Hexyloxybenzylideneamino-p'-chlorobenzene		<b>Wiswesser Line Notation</b>	FR DNU1R DO6
<b>Heat Capacity</b>	300 K, $C_p = 430 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Evaluation</b>	A
Temperature range 300 to 385 K. Data graphically only.			
<b>Phase Changes</b>		<b>C<sub>19</sub>H<sub>22</sub>O<sub>2</sub></b> (c)	72YOU/HAL
c/liq	327.70 K, $\Delta H = 10880 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 33.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	435 K, $\Delta H = 757 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 1.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Crystal-smectic transition.		liq/liq	442 K, $\Delta H = 39665 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 89.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
liq/liq	333.90 K, $\Delta H = 12350 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 37.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	Nematic-isotropic liquid transition.	
Smectic-smectic transition.		c/liq	349.08 K, $\Delta H = 1553 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 4.524 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b>	315.8419	Nematic-isotropic.	
<b>Wiswesser Line Notation</b>	GR DNU1R DO6	liq/liq	356.62 K, $\Delta H = 27090 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 88.71 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Evaluation</b>	C( $C_p$ ); B(phase transition)	Solid-nematic.	
		<b>Molecular Weight</b>	282.3816
		<b>Wiswesser Line Notation</b>	4OR DIU1R DO1 -T
<b>C<sub>19</sub>H<sub>22</sub>CINO</b> (c)	82TSU/SOR	<b>Evaluation</b>	B
p-n-Hexyloxybenzylideneamino-p'-chlorobenzene		<b>C<sub>19</sub>H<sub>23</sub>NO</b> (c)	73SOR/NAK
<b>Heat Capacity</b>	298.15 K, $C_p = 434.94 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	300 K, $C_p = 425 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 15 to 385 K.		Temperature range 14 to 375 K. Data estimated from graph.	
<b>Entropy</b>	298.15 K, $S = 447.58 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Phase Changes</b>	
<b>Phase Changes</b>		liq/liq	349.08 K, $\Delta H = 1553 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 4.524 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c/liq	327.7 K, $\Delta H = 10880 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 33.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	Nematic-isotropic.	
Crystal to intermediate phase S3.		liq/liq	356.62 K, $\Delta H = 27090 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 88.71 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
liq/liq	333.90 K, $\Delta H = 12350 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 37.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	Solid-nematic.	
S <sub>3</sub> -smectic B liquid transition.		<b>Molecular Weight</b>	281.3968
liq/liq	362.98 K, $\Delta H = 3390 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 9.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Wiswesser Line Notation</b>	4R DNU1R DO2
Smectic B - smectic A liquid transition.		<b>Evaluation</b>	B
liq/liq	370.38 K, $\Delta H = 5790 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 15.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		
Smectic A - isotropic liquid transition.		<b>C<sub>19</sub>H<sub>23</sub>NO</b> (c)	74SOR/NAK
<b>Molecular Weight</b>	315.8419	<b>Heat Capacity</b>	298.15 K, $C_p = 429.09 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Wiswesser Line Notation</b>	GR DNU1R DO6	Temperature range 14 to 375 K.	
<b>Evaluation</b>	A	<b>Entropy</b>	298.15 K, $S = 421.788 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
		<b>Phase Changes</b>	
		c/liq	305.62 K, $\Delta H = 27090 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 88.71 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
		Crystal-nematic.	
		liq/liq	349.08 K, $\Delta H = 1553 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 4.524 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
		Nematic-isotropic.	
<b>Molecular Weight</b>	281.3968	<b>Wiswesser Line Notation</b>	4R DNU1R DO2
<b>Wiswesser Line Notation</b>	4R DNU1R DO2	<b>Evaluation</b>	A

$C_{19}H_{23}NO$ (c)		82TSU/SOR3	$C_{19}H_{38}O_2$ (c)	36KIN/GA
p-n-Hexyloxybenzylideneaniline			Ethyl heptadecanoate; Ethyl margarate	
<b>Heat Capacity</b>	298.15 K,	$C_p = 404.52 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Phase Changes</b>	
Temperature range 16 to 385 K.		$S = 424.16 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	c,II/c,I	298.3 K, $\Delta H = 4946 \text{ J}\cdot\text{mol}^{-1}$
<b>Entropy</b>	298.15 K,		Heat of transition at melting point.	
<b>Phase Changes</b>			<b>Molecular Weight</b> 298.5080	
c,II/c,I	73.41 K,	$\Delta H = 192 \text{ J}\cdot\text{mol}^{-1}$	<b>Wiswesser Line Notation</b> 16VO2	
		$\Delta S = 2.70 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Evaluation</b>	B
c,I/liq	321.63 K,	$\Delta H = 30910 \text{ J}\cdot\text{mol}^{-1}$		
		$\Delta S = 96.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		
Solid-isotropic liquid.				
<b>Molecular Weight</b> 281.3968				
<b>Wiswesser Line Notation</b> 60R D1UNR				
<b>Evaluation</b>	A			
$C_{19}H_{30}O_2$ (c)		89MAS/MAU	$C_{19}H_{38}O_2$ (c)	36KIN/GA
Androstanolone; 5 $\alpha$ -Androstane-3-one-17 $\beta$ -ol			Methyl octadecanoate; Methyl stearate	
<b>Phase Changes</b>			<b>Phase Changes</b>	
c,III/liq	453.0 K,	$\Delta H = 19790 \text{ J}\cdot\text{mol}^{-1}$	c/liq	310.93 K, $\Delta H = 19234 \text{ J}\cdot\text{mol}^{-1}$
Monotropic.				
c,II/liq	454.2 K,	$\Delta H = 23070 \text{ J}\cdot\text{mol}^{-1}$	<b>Molecular Weight</b> 298.5080	
Monotropic.			<b>Wiswesser Line Notation</b> 17VO1	
c,I/liq	455.5 K,	$\Delta H = 27150 \text{ J}\cdot\text{mol}^{-1}$	<b>Evaluation</b>	B
Monotropic.				
<b>Molecular Weight</b> 290.4448				
<b>Wiswesser Line Notation</b> L E5 B666 OVTJ A1 E1 FQ				
<b>Evaluation</b>	B			
$C_{19}H_{36}$ (liq)		63GUD/CAM	$C_{19}H_{38}O_2$ (c)	82SCH/M
4-n-Heptylcyclohexyl			Nonadecanoic acid	
<b>Heat Capacity</b>	313 K,	$C_p = 484.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,
Temperature range 313 to 483 K.			Temperature range 80 to 355 K.	
<b>Molecular Weight</b> 264.4934			<b>Phase Changes</b>	
<b>Wiswesser Line Notation</b> L6TJ A- AL6TJ D7			c,II/c,I	338.0 K, $\Delta H = 19177 \text{ J}\cdot\text{mol}^{-1}$
<b>Evaluation</b>	C		c,I/liq	$\Delta S = 27.15 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
 				$\Delta H = -57618 \text{ J}\cdot\text{mol}^{-1}$
$C_{19}H_{36}$ (liq)		63GUD/CAM		$\Delta S = 168.85 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Bis(2,4,6-trimethylcyclohexyl)methane			<b>Molecular Weight</b> 298.5080	
<b>Heat Capacity</b>	373 K,	$C_p = 590.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Wiswesser Line Notation</b> QV18	
Temperature range 373 to 483 K.			<b>Evaluation</b>	B
<b>Molecular Weight</b> 264.4934				
<b>Wiswesser Line Notation</b> L6TJ A1 C1 E1 B1- AL6TJ B1				
D1 F1				
<b>Evaluation</b>	C			
$C_{19}H_{36}$ (liq)		62GOL/BEL	$C_{19}H_{38}O_4$ (c)	40CLA/S*
1,1-Dicyclohexylheptane			2-Monopalmitin	
<b>Heat Capacity</b>	311 K,	$C_p = 531.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298 K, $C_p = 607.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperatures 100, 200, 300 °F.			One temperature.	
<b>Molecular Weight</b> 264.4934			<b>Molecular Weight</b> 330.5068	
<b>Wiswesser Line Notation</b> L6TJ AY6&- AL6TJ			<b>Wiswesser Line Notation</b> Q1Y1QOV15	
<b>Evaluation</b>	C		<b>Evaluation</b>	B
$C_{19}H_{36}$ (liq)		63GUD/CAM	$C_{19}H_{38}O_4$ (c)	65SIL/D*
1,1-Dicyclohexylheptane			1-Monopalmitin	
<b>Heat Capacity</b>	313 K,	$C_p = 534.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298 K, $C_p = 602.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 313 to 583 K.			One temperature.	
<b>Molecular Weight</b> 264.4934			<b>Molecular Weight</b> 330.5068	
<b>Wiswesser Line Notation</b> L6TJ AY6&- AL6TJ			<b>Wiswesser Line Notation</b> Q1YQ1OV15	
<b>Evaluation</b>	C		<b>Evaluation</b>	B
$C_{19}H_{36}$ (liq)		63GUD/CAM	$C_{19}H_{38}O_4$ (c)	65SIL/D*
1,1-Dicyclohexylheptane			1-Monopalmitin	
<b>Heat Capacity</b>	313 K,	$C_p = 534.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298 K, $C_p = 566.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 313 to 583 K.			One temperature. $\beta_L$ form.	
<b>Molecular Weight</b> 264.4934			<b>Molecular Weight</b> 330.5068	
<b>Wiswesser Line Notation</b> L6TJ AY6&- AL6TJ			<b>Wiswesser Line Notation</b> Q1YQ1OV15	
<b>Evaluation</b>	C		<b>Evaluation</b>	B

$C_{19}H_{40}$ (c)		55SCH/BUS	$C_{20}H_{10}N_4$ (c)		78BOE/WES
n-Nonadecane			Naphthalene-1,2,4,5-tetracyanobenzene		
<b>Phase Changes</b>			<b>Heat Capacity</b>	298.15 K,	$C_p = 370.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c,II/c,I	295.95 K,	$\Delta H = 13807 \text{ J}\cdot\text{mol}^{-1}$	Temperature range 5 to 300 K.		
		$\Delta S = 46.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Entropy</b>	298.15 K,	$S = 421.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c,I/liq	305.15 K,	$\Delta H = 45815 \text{ J}\cdot\text{mol}^{-1}$	<b>Phase Changes</b>		
		$\Delta S = 150.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	c,II/c,I	75 K,	$\Delta H = 192 \text{ J}\cdot\text{mol}^{-1}$
<b>Molecular Weight</b>	268.5250				$\Delta S = 2.97 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Wiswesser Line Notation</b>	19H		<b>Molecular Weight</b>	306.3258	
<b>Evaluation</b>	B		<b>Wiswesser Line Notation</b>	L66J & NCR BCN DCN ECN	
			<b>Evaluation</b>	A	
$C_{19}H_{40}$ (liq)		69ATK/LAR	$C_{20}H_{10}O_6$ (c)		80BOE/WES2
n-Nonadecane			Naphthalene-pyromellitic dianhydride adduct		
<b>Heat Capacity</b>	353 K,	$C_p = 640 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p = 392.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range	353 to 453 K.	Equation only.	Temperature range	5 to 300 K.	
<b>Molecular Weight</b>	268.5250		<b>Entropy</b>	298.15 K,	$S = 411.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Wiswesser Line Notation</b>	19H		<b>Molecular Weight</b>	346.2954	
<b>Evaluation</b>	C		<b>Wiswesser Line Notation</b>	T C565 DVOV JVOJV & L66J	
			<b>Evaluation</b>	A	
$C_{19}H_{40}$ (c)		79CLA/LET	$C_{20}H_{12}$ (c)		80WON/WES
n-Nonadecane			Perylene		
<b>Phase Changes</b>			<b>Heat Capacity</b>	298.15 K,	$C_p = 274.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c,II/c,I	295.95 K,	$\Delta H = 13665 \text{ J}\cdot\text{mol}^{-1}$	Temperature range	5 to 575 K.	
		$\Delta S = 46.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Entropy</b>	298.15 K,	$S = 264.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c,I/liq	303.95 K,	$\Delta H = 47395 \text{ J}\cdot\text{mol}^{-1}$	<b>Phase Changes</b>		
		$\Delta S = 155.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	c,I/liq	550.95 K,	$\Delta H = 31874 \text{ J}\cdot\text{mol}^{-1}$
<b>Molecular Weight</b>	268.5250				$\Delta S = 57.91 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Wiswesser Line Notation</b>	19H		<b>Molecular Weight</b>	252.3148	
<b>Evaluation</b>	B		<b>Wiswesser Line Notation</b>	L666 L6 K6 2AL TJ	
			<b>Evaluation</b>	A	
$C_{19}H_{40}$ (liq)		84GRI/AND	$C_{20}H_{12}$ (c)		92SAB/ELW3
n-Nonadecane			Perylene		
<b>Heat Capacity</b>	313.15 K,	$C_p = 602.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Phase Changes</b>		
Temperature range	313 to 433 K.	Unsmoothed experimental datum given as 2.244 kJ/kg·K.	c/liq	551.29 K,	$\Delta H = 32580 \text{ J}\cdot\text{mol}^{-1}$
<b>Molecular Weight</b>	268.5250		<b>Molecular Weight</b>	252.3148	
<b>Wiswesser Line Notation</b>	19H		<b>Wiswesser Line Notation</b>	L666 L6 K6 2AL TJ	
<b>Evaluation</b>	B		<b>Evaluation</b>	A	
$C_{19}H_{40}$ (c)		91BAR/SCH	$C_{20}H_{13}N_3O_6$ (c)		80RAD/RAD
n-Nonadecane			Anthracene-1,3,5-trinitrobenzene adduct		
<b>Phase Changes</b>			<b>Heat Capacity</b>	298.15 K,	$C_p = 424.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c,II/c,I	296.1 K,	$\Delta H = 13750 \text{ J}\cdot\text{mol}^{-1}$	Temperature range	180 to 420 K.	Data given graphically. $C_p$ calculated from equation.
c,I/liq	305.1 K,	$\Delta H = 43750 \text{ J}\cdot\text{mol}^{-1}$	<b>Phase Changes</b>		
<b>Molecular Weight</b>	268.5250		c,I/liq	438.6 K,	$\Delta H = 40401 \text{ J}\cdot\text{mol}^{-1}$
<b>Wiswesser Line Notation</b>	19H				$\Delta S = 92.11 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Evaluation</b>	A		<b>Molecular Weight</b>	391.3392	
			<b>Wiswesser Line Notation</b>	L C666J & WNR CNW ENW/	
			<b>Evaluation</b>	B	
$C_{19}H_{40}$ (liq)		91TRE/COS	$C_{20}H_{13}N_3O_7$ (c)		79FAR/SHA
2,6,10,14-Tetramethylpentadecane			Anthracene picric acid		
<b>Heat Capacity</b>	298.15 K,	$C_p = 569.76 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Phase Changes</b>		
One temperature.			c,II/c,I	364.0 K,	$\Delta H = 10500 \text{ J}\cdot\text{mol}^{-1}$
<b>Molecular Weight</b>	268.5250				$\Delta S = 28.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Wiswesser Line Notation</b>	1Y1&3Y1&3Y1&3Y1&1		c/liq	417.6 K,	$\Delta H = 24300 \text{ J}\cdot\text{mol}^{-1}$
<b>Evaluation</b>	B				$\Delta S = 58.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b>	407.3386		<b>Molecular Weight</b>	407.3386	
<b>Wiswesser Line Notation</b>	L C666J & WNR BQ CNW ENW		<b>Wiswesser Line Notation</b>	L C666J & WNR BQ CNW ENW	
<b>Evaluation</b>	B		<b>Evaluation</b>	B	

$C_{20}H_{14}$ (c)		70AND/WES	$C_{20}H_{16}F_6Fe_2I_2Sb$ (c)		92WEB/HAG
Triptycene; 9,10-o-Benzene-9,10-dihydroanthracene			$I',I'''$ -Diiodobiferrocenium hexafluoroantimonate		
<b>Heat Capacity</b>	298.15 K,	$C_p=282.67 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>		
Temperature range 5 to 550 K.			Temperature range 16 to 303 K.		
<b>Entropy</b>	298.15 K,	$S=273.97 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Phase Changes</b>		
<b>Phase Changes</b>			c,III/c,II	134 K,	$\Delta H=740 \text{ J}\cdot\text{mol}^{-1}$
c/liq	527.18 K,	$\Delta H=30275 \text{ J}\cdot\text{mol}^{-1}$	c,II/c,I	270 K,	$\Delta S=6.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
		$\Delta S=57.43 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			$\Delta H=60 \text{ J}\cdot\text{mol}^{-1}$
<b>Molecular Weight</b>	254.3306				$\Delta S=0.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Wiswesser Line Notation</b>	L6 H66 O66/GT 2AF T GH NHJ				
<b>Evaluation</b>	A				
$C_{20}H_{14}$ (c)		73ROD/WES	<b>Molecular Weight</b>	857.5958	
Triptycene; 9,10-o-Benzene-9,10-dihydroanthracene			<b>Wiswesser Line Notation</b>	L5 $\phi$ J AE $\phi$ -FE- $\phi$ L5 $\phi$ J A-	
<b>Heat Capacity</b>	298.15 K,	$C_p=283.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	AL5 $\phi$ J $\phi$ -FE- $\phi$ L5 $\phi$ J AE &-SB-F6		
One temperature. $C_p$ given as 0.266 cal. $\cdot\text{K}^{-1}\cdot\text{g}^{-1}$ .			<b>Evaluation</b>	A	
<b>Molecular Weight</b>	254.3306				
<b>Wiswesser Line Notation</b>	L6 H66 O66/GT 2AF T GH NHJ				
<b>Evaluation</b>	A				
$C_{20}H_{14}$ (c)		79FAR/SHA	$C_{20}H_{16}F_{12}O_8Zr$ (c)		92RIB/FER2
$\beta,\beta'$ -Binaphthyl			Tetrakis(1,1,1-trifluoropentane-2,4-dionato)		
<b>Phase Changes</b>			zirconium (IV); Zirconium $\alpha,\alpha,\alpha$ -trifluoroacetyl-acetonate		
c/liq	461.2 K,	$\Delta H=38900 \text{ J}\cdot\text{mol}^{-1}$	<b>Phase Changes</b>		
		$\Delta S=84.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	c/g	390 K,	$\Delta H=118700 \text{ J}\cdot\text{mol}^{-1}$
<b>Molecular Weight</b>	254.3306		<b>Molecular Weight</b>	703.5424	
<b>Wiswesser Line Notation</b>	L66J A- AL66J		<b>Wiswesser Line Notation</b>	D60-ZR-O ADJ DXFFF F1 B-&	
<b>Evaluation</b>	B		BD60-ZR-O ADJ DXFFF F1 B-& BD60-ZR-O ADJ DXFFF F1		
			B-& BD60-ZR-O ADJ DXFFF F1		
$C_{20}H_{14}O_4$ (c)		84OZC/ASR	<b>Evaluation</b>	A	
4,4'-Diethoxydiphenyldiacetylene					
<b>Phase Changes</b>			$C_{20}H_{16}Fe_2I_3$ (c)		87SOR/NIS
c,III/c,II	449 K,	$\Delta H=7110 \text{ J}\cdot\text{mol}^{-1}$	Biferrocenium triiodide		
		$\Delta S=15.86 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	300 K,	$C_p=463.72 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c,II/c,I	488 K,	$\Delta H=40200 \text{ J}\cdot\text{mol}^{-1}$	Temperature range 14 to 360 K. Interpolated data.		
		$\Delta S=62.38 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Phase Changes</b>		
<b>Molecular Weight</b>	318.3282		c,II/c,I	358.675 K,	$\Delta H=538 \text{ J}\cdot\text{mol}^{-1}$
<b>Wiswesser Line Notation</b>	1VOR DIUU2UU1R DOV1				$\Delta S=1.77 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Evaluation</b>	A		<b>Molecular Weight</b>	748.7539	
First heating, gradual decomposition observed on cycling.			<b>Wiswesser Line Notation</b>	L5 $\phi$ J $\phi$ -FE- $\phi$ L5 $\phi$ J A-	
			AL5 $\phi$ J $\phi$ -FE- $\phi$ L5 $\phi$ J &I3		
$C_{20}H_{14}O_4$ (c)		84GRA/AVR	<b>Evaluation</b>	A	
Phenolphthalein			$C_{20}H_{18}$ (c)		31SMI/AND
<b>Heat Capacity</b>			1,1,1-Triphenylethane		
Temperature range 300 to 550 K. Data given graphically.			<b>Heat Capacity</b>	298.5 K,	$C_p=316.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Phase Changes</b>			Temperature range 102 to 346 K. Value is unsmoothed experimental datum.		
c,II/c,I	411 K,	$\Delta H=22594 \text{ J}\cdot\text{mol}^{-1}$	<b>Molecular Weight</b>	258.3622	
		$\Delta S=55.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Wiswesser Line Notation</b>	1XR&R&R	
Amorphous/crystal.			<b>Evaluation</b>	C	
c/liq	534 K,	$\Delta H=51045 \text{ J}\cdot\text{mol}^{-1}$	$C_{20}H_{18}$ (c)		31SMI/ANE
		$\Delta S=95.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	1,1,2-Triphenylethane		
<b>Molecular Weight</b>	318.3282		<b>Heat Capacity</b>	298.5 K,	$C_p=319.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Wiswesser Line Notation</b>	T56 BVOT&J DR DQ DR DQ		Temperature range 102 to 311 K. Value is unsmoothed experimental datum.		
<b>Evaluation</b>	B		<b>Molecular Weight</b>	258.3622	
			<b>Wiswesser Line Notation</b>	RYR&1R	
$C_{20}H_{16}$ (c)		31SMI/AND	<b>Evaluation</b>	C	
Triphenylethylene			$C_{20}H_{18}Sn$ (c)		85CAR/LAY
<b>Heat Capacity</b>	298.5 K,	$C_p=309.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	Triphenyl vinyl tin		
Temperature range 102 to 322 K. Value is unsmoothed experimental datum.			<b>Heat Capacity</b>	298.15 K,	$C_p=486.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b>	256.3464		One temperature. $C_p$ given as $1.29 \text{ J}\cdot\text{K}^{-1}\cdot\text{g}^{-1}$ .		
<b>Wiswesser Line Notation</b>	RYR&U1R		<b>Molecular Weight</b>	377.0522	
<b>Evaluation</b>	C		<b>Wiswesser Line Notation</b>	1U1-SN-R&R&R	
			<b>Evaluation</b>	B	

<b>C<sub>20</sub>H<sub>20</sub></b> (liq) 5,6,6a,6b,7,8,12b,12c-Octahydrodibenzo-[a,i]biphenylene <b>Heat Capacity</b> 298.15 K, $C_p=333.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ One temperature. $C_p=0.306 \text{ cal}\cdot\text{g}^{-1}$ . <b>Molecular Weight</b> 260.3780 <b>Wiswesser Line Notation</b> L D6 C6 B466 & TTT&J <b>Evaluation</b> B	78GOO/SCO	<b>C<sub>20</sub>H<sub>22</sub>O<sub>6</sub></b> (c) Butyl p-(p-ethoxyphenoxy carbonyl)phenylcarbonate <b>Phase Changes</b> c,II/liq 328.3 K, $\Delta H=23400 \text{ J}\cdot\text{mol}^{-1}$ Radial spherulite/nematic. c,I/liq 337.6 K, $\Delta H=31800 \text{ J}\cdot\text{mol}^{-1}$ Tangential spherulite/nematic. liq/liq 358.1 K Nematic/isotropic. <b>Molecular Weight</b> 358.3902 <b>Wiswesser Line Notation</b> 4OVOR DVOR DO2 <b>Evaluation</b> A	91KRI
<b>C<sub>20</sub>H<sub>20</sub></b> (liq) 5,6,6a,6b,11,12,12a,12b-Octahydrodibenzo-[a,g]biphenylene <b>Heat Capacity</b> 298.15 K, $C_p=323.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ One temperature. $C_p=0.297 \text{ cal}\cdot\text{g}^{-1}$ . <b>Molecular Weight</b> 260.3780 <b>Wiswesser Line Notation</b> L F6 C6 B466 & TTT&J <b>Evaluation</b> B	78GOO/SCO	<b>C<sub>20</sub>H<sub>24</sub>N<sub>2</sub>O<sub>3</sub></b> (liq) 4-Methoxy-4'-heptanoylazobenzene <b>Heat Capacity</b> 351.84 K, $C_p=685.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Temperature range 351 to 374 K. Unsmoothed experimental datum. <b>Phase Changes</b> liq/liq 371.6 K, $\Delta H=573 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=1.54 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ <b>Molecular Weight</b> 340.4212 <b>Wiswesser Line Notation</b> 6VOR DNUNR DO1 <b>Evaluation</b> B	85SHA/ZHU
<b>C<sub>20</sub>H<sub>22</sub></b> (liq) 2,2'-Biphenol <b>Heat Capacity</b> 298.15 K, $C_p=379.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ One temperature. $C_p=0.346 \text{ cal}\cdot\text{g}^{-1}$ . <b>Molecular Weight</b> 262.3938 <b>Wiswesser Line Notation</b> L66T&J C- CL66TT&J <b>Evaluation</b> B	78GOO/SCO	<b>C<sub>20</sub>H<sub>24</sub>O<sub>2</sub></b> (c) 2-Methoxy-4'-pentoxy-trans-stilbene <b>Phase Changes</b> c,II/c,I 435 K, $\Delta H=41170 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=94.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Crystal-isotropic liquid transition. liq/liq 427 K, $\Delta H=782 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=1.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Nematic-isotropic liquid transition. <b>Molecular Weight</b> 296.4084 <b>Wiswesser Line Notation</b> 5OR D1U1R DO1 -T <b>Evaluation</b> B	72YOU/HAL
<b>C<sub>20</sub>H<sub>22</sub>N<sub>2</sub>O</b> (c) p-n-Hexyloxybenzylideneamino-p'-benzonitrile <b>Heat Capacity</b> 298.15 K, $C_p=432.51 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Temperature range 15 to 385 K. <b>Entropy</b> 298.15 K, $S=450.56 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ <b>Phase Changes</b> c,II/c,I 306.98 K, $\Delta H=5110 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=16.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ c,I/liq 334.05 K, $\Delta H=23770 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=71.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Solid nematic. liq/liq 375.10 K, $\Delta H=1750 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=3.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Nematic-isotropic liquid transition (Note: 1750/375.10=4.67 J. $\text{mol}^{-1}\cdot\text{K}^{-1}$ ). <b>Molecular Weight</b> 306.4066 <b>Wiswesser Line Notation</b> NCR DNU1R DO6 <b>Evaluation</b> A	79TSU/SOR	<b>C<sub>20</sub>H<sub>25</sub>NO</b> (c) p-n-Hexyloxybenzylidene-p'-toluidine <b>Heat Capacity</b> 298.15 K, $C_p=441.40 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Temperature range 17 to 385 K. <b>Entropy</b> 298.15 K, $S=448.95 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ <b>Phase Changes</b> c,II/c,I 317.5 K, $\Delta H=5040 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=15.89 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Superheating phenomenon occurs at 324 K. c,I/liq 334.26 K, $\Delta H=25040 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=74.90 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Solid-nematic. liq/liq 346.90 K, $\Delta H=1370 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=3.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Nematic-isotropic liquid transition. <b>Molecular Weight</b> 295.4236 <b>Wiswesser Line Notation</b> 60R D1UNR D1 <b>Evaluation</b> A	82TSU/SOR4
<b>C<sub>20</sub>H<sub>22</sub>N<sub>2</sub>O<sub>3</sub></b> (c) 4-n-Pentanoyl-4-n'-propanoyloxyazobenzene <b>Phase Changes</b> c,II/c,I 345.1 K, $\Delta H=2632 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=7.627 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ c,I/liq 391.5 K, $\Delta H=24167 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=61.731 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Solid-smectic A. liq/liq 394.1 K, $\Delta H=3272 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=8.301 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Smectic A-nematic. liq/liq 406.1 K, $\Delta H=690 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S=1.699 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Nematic-isotropic. <b>Molecular Weight</b> 338.4054 <b>Wiswesser Line Notation</b> 4VR DNUNR DOV2 <b>Evaluation</b> A	88FAN/POE		

$C_{20}H_{26}N_2O_3$ (c)	90BAM/GOD	$C_{20}H_{30}Cl_2FeN_6O$ (c)	85KAJ/SOR
4,4'-Di-n-butyloxyazoxybenzene		Tris(2-picolyamine)iron chloride ethanolate	
<b>Phase Changes</b>		<b>Heat Capacity</b> 300 K, $C_p = 590 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
c,IV/c,III	315.5 K,	Temperature range 13 to 315 K. Data graphically only. Value estimated from graph.	
	$\Delta H = 10440 \text{ J}\cdot\text{mol}^{-1}$		
	$\Delta S = 33.09 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		
c,III/c,II	323.4 K,	<b>Phase Changes</b>	
	$\Delta H = 930 \text{ J}\cdot\text{mol}^{-1}$	c,III/c,II 114.04 K	
	$\Delta S = 2.88 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	c,II/c,I 122.21 K, $\Delta H = 6140 \text{ J}\cdot\text{mol}^{-1}$	
c,II/c,I	360.5 K,	$\Delta S = 50.59 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
	$\Delta H = 1570 \text{ J}\cdot\text{mol}^{-1}$	Total transition enthalpy and entropy.	
c,I/liq	376.7 K,	<b>Molecular Weight</b> 500.2734	
	$\Delta H = 20960 \text{ J}\cdot\text{mol}^{-1}$	<b>Wiswesser Line Notation</b> T6NJ B1ZH 3 .FE G2 &G2	
	$\Delta S = 55.64 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Evaluation</b> $C_p(C)$ , transitions(A)	
c,I to nematic liquid.			
<b>Molecular Weight</b> 326.4376			
<b>Wiswesser Line Notation</b> 4OR DNUNO&R DO4			
<b>Evaluation</b> A			
$C_{20}H_{26}O$ (c)	79LEW/ENE	$C_{20}H_{30}O_3Si_3$ (liq)	87DZH/KUL
Norethindrone		1,1,3,3-Tetraethyl-5,5-diphenylcyclotrisiloxane	
<b>Phase Changes</b>		<b>Heat Capacity</b> 298.15 K, $C_p = 629.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
c/liq	479 K,	Temperature range 5 to 315 K.	
	$\Delta H = 39600 \text{ J}\cdot\text{mol}^{-1}$	<b>Entropy</b> 298.15 K, $S = 711.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
	$\Delta S = 82.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Phase Changes</b>	
<b>Molecular Weight</b> 282.4248		c/liq 279.082 K, $\Delta H = 18374 \text{ J}\cdot\text{mol}^{-1}$	
<b>Wiswesser Line Notation</b> L E5 B666 OV MUTJ E1 FQ		$\Delta S = 66.01 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
FIUU1		<b>Molecular Weight</b> 402.7117	
<b>Evaluation</b> A		<b>Wiswesser Line Notation</b> T6-SI-O-SI-O-SI-OTJ A2 A2 C2	
		C2 ER ER	
		<b>Evaluation</b> A	
$C_{20}H_{28}O_8Zr$ (c)	86GR/LAZ	$C_{20}H_{34}$ (liq)	63GUD/CAN
Zirconium acetylacetone; Tetrakis(pentane-2,4-dionato)zirconium (IV)		Diethylhydropyrene	
<b>Phase Changes</b>		<b>Heat Capacity</b> 313 K, $C_p = 510.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
c/liq	470.8 K,	Temperature range 313 to 583 K.	
	$\Delta H = 50100 \text{ J}\cdot\text{mol}^{-1}$	<b>Molecular Weight</b> 274.4886	
	$\Delta S = 106.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Wiswesser Line Notation</b> L666 B6 2AB PTJ X2 X2	
<b>Molecular Weight</b> 487.6564		<b>Evaluation</b> C	
<b>Wiswesser Line Notation</b> D60-ZR-O ADJ D1 F1 B-& BD60-ZR-O ADJ D1 F1 B-& BD60-ZR-O ADJ D1 F1			
<b>Evaluation</b> A			
$C_{20}H_{28}O_8Zr$ (c)	91JAS	$C_{20}H_{34}O_5Si_5$ (liq)	77KUL/DZF
Zirconium acetylacetone; Tetrakis(pentane-2,4-dionato)zirconium (IV)		Octamethylidiphenylcyclopentasiloxane	
<b>Phase Changes</b>		<b>Heat Capacity</b>	
c/liq	472 K,	No $C_p$ data given. Data in paper, deposited in VINITI, No. 986-77, 1-March, 1977.	
	$\Delta H = 22597 \text{ J}\cdot\text{mol}^{-1}$	<b>Molecular Weight</b> 494.9131	
<b>Molecular Weight</b> 487.6564		<b>Wiswesser Line Notation</b>	
<b>Wiswesser Line Notation</b> D60-ZR-O ADJ D1 F1 B-& BD60-ZR-O ADJ D1 F1 B-& BD60-ZR-O ADJ D1 F1		T-10-O-SI-O-SI-O-SI-O-SITJ A1 B1 C1 D1 E1 X1 X1 X1 X1 XR	
<b>Evaluation</b> D		<b>Evaluation</b> B	
$C_{20}H_{28}O_8Zr$ (c)	92RIB/FER2	$C_{20}H_{36}$ (liq)	63GUD/CAN
Zirconium acetylacetone; Tetrakis(pentane-2,4-dionato)zirconium (IV)		Bis(cyclohexylmethyl)cyclohexane	
<b>Phase Changes</b>		<b>Heat Capacity</b> 373 K, $C_p = 603.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
c/g	406 K,	Temperature range 373 to 583 K.	
	$\Delta H = 125800 \text{ J}\cdot\text{mol}^{-1}$	<b>Molecular Weight</b> 276.5044	
<b>Molecular Weight</b> 487.6564		<b>Wiswesser Line Notation</b> L6TJ A1AL6TJ X1- AL6TJ	
<b>Wiswesser Line Notation</b> D60-ZR-O ADJ D1 F1 B-& BD60-ZR-O ADJ D1 F1 B-& BD60-ZR-O ADJ D1 F1		<b>Evaluation</b> C	
<b>Evaluation</b> A			
$C_{20}H_{30}$ (c)	84BER/BEC	$C_{20}H_{38}HgO_4$ (liq)	78AD
Hexacyclopropylethane		Mercuric decanoate; Mercuric caprate	
<b>Heat Capacity</b> 298.15 K,	$C_p = 396.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b> 410 K, $C_p = 817.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
One temperature.		Mean value 403 to 420 K. Data only graphically for solid.	
<b>Molecular Weight</b> 270.4570		<b>Phase Changes</b>	
<b>Wiswesser Line Notation</b>		c,II/c,I 380.8 K, $\Delta H = 5300 \text{ J}\cdot\text{mol}^{-1}$	
Evaluation B		$\Delta S = 13.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
		c,I/liq 389.3 K, $\Delta H = 70200 \text{ J}\cdot\text{mol}^{-1}$	
		$\Delta S = 180.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Molecular Weight</b> 543.1078		<b>Molecular Weight</b> 543.1078	
<b>Wiswesser Line Notation</b> OV9 2 .HG		<b>Wiswesser Line Notation</b> OV9 2 .HG	
<b>Evaluation</b> C			

<b>C<sub>20</sub>H<sub>38</sub>O</b> (liq)		88BAG/GUR	<b>C<sub>20</sub>H<sub>40</sub>O<sub>2</sub></b> (c)		36KIN/GAR
3,7,11,15-Tetramethyl-1-hexadecyn-3-ol			Methyl nonadecanoate		
<b>Heat Capacity</b> 293.85 K,	$C_p = 712.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Phase Changes</b>		
Temperature range 270 to 340 K. Unsmoothed experimental datum.			c,II/c,I	311.79 K,	$\Delta H = 6054 \text{ J} \cdot \text{mol}^{-1}$
<b>Molecular Weight</b> 294.5196			Heat of transition at melting point.		
<b>Wiswesser Line Notation</b> 1Y3Y3Y3XQ1UU1			<b>Molecular Weight</b> 312.5348		
<b>Evaluation</b>	B		<b>Wiswesser Line Notation</b> 18VO1		
			<b>Evaluation</b>	B	
<b>C<sub>20</sub>H<sub>38</sub>O</b> (liq)		88BAG/GUR	<b>C<sub>20</sub>H<sub>40</sub>O<sub>2</sub></b> (c)		82SCH/MIL2
3,7,11,15-Tetramethyl-1-hexadecen-3-ol; Isophytol			Eicosanoic acid		
<b>Heat Capacity</b> 293.75 K,	$C_p = 729.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K,	$C_p = 545.14 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 270 to 340 K. Unsmoothed experimental datum.			Temperature range 80 to 355 K.		
<b>Molecular Weight</b> 294.5196			<b>Phase Changes</b>		
<b>Wiswesser Line Notation</b> 1Y3Y3Y3XQ1UU1			c,I/liq	348.23 K,	$\Delta H = 69204 \text{ J} \cdot \text{mol}^{-1}$
<b>Evaluation</b>	B				$\Delta S = 198.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
			<b>Molecular Weight</b> 312.5348		
<b>C<sub>20</sub>H<sub>38</sub>O<sub>4</sub>Pb</b> (c)		76ADE/SIM	<b>Wiswesser Line Notation</b> QV19		
Lead(II) decanoate			<b>Evaluation</b>	B	
<b>Phase Changes</b>			<b>C<sub>20</sub>H<sub>42</sub></b> (c)		30PAR/HUF
c/liq	354.9 K,	$\Delta H = 32700 \text{ J} \cdot \text{mol}^{-1}$	n-Eicosane		
		$\Delta S = 92.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 279.1 K,	$C_p = 602.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Crystal-smectic.			Temperature range 94 to 280 K. Value is unsmoothed experimental datum.		
liq/liq	367.4 K,	$\Delta H = 20000 \text{ J} \cdot \text{mol}^{-1}$	<b>Entropy</b> 298.15 K,	$S = 558.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
		$\Delta S = 54.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Extrapolation below 90 K, 64.68 J·mol <sup>-1</sup> ·K <sup>-1</sup> .		
Smectic-isomorphous.			<b>Phase Changes</b>		
liq/liq	385.2 K,	$\Delta H = 1000 \text{ J} \cdot \text{mol}^{-1}$	c/liq	309.7 K,	$\Delta H = 61476 \text{ J} \cdot \text{mol}^{-1}$
		$\Delta S = 2.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			$\Delta S = 198.50 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Isomorphous-liquid.			<b>Molecular Weight</b> 282.5518		
<b>Molecular Weight</b> 549.7178			<b>Wiswesser Line Notation</b> 20H		
<b>Wiswesser Line Notation</b> OV9 2 .PB			<b>Evaluation</b>	B(C <sub>p</sub> )C(S)	
<b>Evaluation</b>	B				
<b>C<sub>20</sub>H<sub>38</sub>O<sub>4</sub>Zn</b> (c)		78KON/RUF	<b>C<sub>20</sub>H<sub>42</sub></b> (c)		55SCH/BUS
Zinc(II) n-decanoate			n-Eicosane		
<b>Phase Changes</b>			<b>Phase Changes</b>		
c,III/c,II	372 K,	$\Delta H = 2100 \text{ J} \cdot \text{mol}^{-1}$	c,II/c,I	309.35 K	
c,II/c,I	378 K,	$\Delta H = 3800 \text{ J} \cdot \text{mol}^{-1}$	c,I/liq	309.75 K,	$\Delta H = 69873 \text{ J} \cdot \text{mol}^{-1}$
c,I/liq	407 K,	$\Delta H = 49000 \text{ J} \cdot \text{mol}^{-1}$			$\Delta S = 225.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
		$\Delta S = 120 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b> 282.5518		
<b>Molecular Weight</b> 407.8978			<b>Wiswesser Line Notation</b> 20H		
<b>Wiswesser Line Notation</b> OV9 2 .ZN			<b>Evaluation</b>	B	
<b>Evaluation</b>	B				
<b>C<sub>20</sub>H<sub>40</sub>Br<sub>2</sub>N<sub>2</sub></b> (c)		74BUR/VER	<b>C<sub>20</sub>H<sub>42</sub></b> (c)		73COM
1,2-Bis(triallylammonium)ethane dibromide			n-Eicosane		
<b>Heat Capacity</b> 298 K,	$C_p = 520.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Phase Changes</b>		
Temperature range 273 to 373 K.			c/liq	309.75 K,	$\Delta H = 69873 \text{ J} \cdot \text{mol}^{-1}$
<b>Molecular Weight</b> 468.3574					$\Delta S = 225.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b> 1U2K2U1&2U1&2K2U1&2U1&2U1 E 2			<b>Molecular Weight</b> 282.5518		
<b>Evaluation</b>	B		<b>Wiswesser Line Notation</b> 20H		
			<b>Evaluation</b>	B	
<b>C<sub>20</sub>H<sub>40</sub>O<sub>2</sub></b> (c)		34KIN/GAR	<b>C<sub>20</sub>H<sub>42</sub></b> (liq)		81HOE
Ethyl octadecanoate; Ethyl stearate			n-Eicosane		
<b>Phase Changes</b>			<b>Heat Capacity</b> 325 K,	$C_p = 664 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
c,II/c,I	300.15 K,	$\Delta H = 6373 \text{ J} \cdot \text{mol}^{-1}$	Temperature range 300 to 500 K. $C_v = 2.32 \text{ J} \cdot \text{g}^{-1} \cdot \text{K}^{-1}$ .		
β-α transition.			<b>Molecular Weight</b> 282.5518		
c,I/liq	304.2 K,	$\Delta H = 12339 \text{ J} \cdot \text{mol}^{-1}$	<b>Wiswesser Line Notation</b> 20H		
α-liq transition.			<b>Evaluation</b>	B	
<b>Molecular Weight</b> 312.5348					
<b>Wiswesser Line Notation</b> 17VO2					
<b>Evaluation</b>	B				

Data on the specific heats are given at or near the phase transitions.

<b>C<sub>20</sub>H<sub>42</sub></b> (c)	84SYU/TUM	<b>C<sub>20</sub>H<sub>44</sub>CIN</b> (c)	88VAN/WHI
n-Eicosane		Di-n-decylammonium chloride	
<b>Phase Changes</b>		<b>Heat Capacity</b>	$C_p = 631.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c/liq	308.5 K,	Temperature range 25 to 350 K. Unsmoothed experimental datum.	
	$\Delta H = 70900 \text{ J} \cdot \text{mol}^{-1}$		
	$\Delta S = 229.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
Relative error in determination $\pm 5\%$ .		<b>Phase Changes</b>	
<b>Molecular Weight</b>	282.5518	c,III/c,II	320.13 K
<b>Wiswesser Line Notation</b>	20H	c,II/c,I	321.50 K,
<b>Evaluation</b>	C		$\Delta H = 50590 \text{ J} \cdot \text{mol}^{-1}$
			$\Delta S = 158.97 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
		$\Delta \Delta H, \Delta \Delta S$ combined data.	
<b>C<sub>20</sub>H<sub>42</sub></b> (c)	85KOL/SYU	<b>Molecular Weight</b>	334.0273
n-Eicosane		<b>Wiswesser Line Notation</b>	10M10 &GH
<b>Phase Changes</b>		<b>Evaluation</b>	A
c/liq	308.8 K,		
	$\Delta H = 67800 \text{ J} \cdot \text{mol}^{-1}$		
	$\Delta S = 219.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
<b>Molecular Weight</b>	282.5518	<b>C<sub>20</sub>H<sub>44</sub>Sn</b> (liq)	72MAS/RAB
<b>Wiswesser Line Notation</b>	20H	Tetraamylstannane; Tin tetraamyl	
<b>Evaluation</b>	A	<b>Heat Capacity</b>	$C_p = 652.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
		Temperature range 60 to 300 K.	
<b>C<sub>20</sub>H<sub>42</sub></b> (liq)	89KSI	<b>Phase Changes</b>	
n-Eicosane		c,II/c,I	181.4 K,
<b>Phase Changes</b>			$\Delta H = -9920 \text{ J} \cdot \text{mol}^{-1}$
c, $\alpha$ /liq	309.63 K	Metastable transition.	
c, $\beta$ /liq	309.32 K	<b>Molecular Weight</b>	403.2576
c, $\alpha/\beta$	309.24 K	<b>Wiswesser Line Notation</b>	5-SN-5&5&5
<b>Molecular Weight</b>	282.5518	<b>Evaluation</b>	B
<b>Wiswesser Line Notation</b>	20H		
<b>Evaluation</b>	A		
<b>C<sub>20</sub>H<sub>42</sub></b> (c)	91BAR/SCH	<b>C<sub>20</sub>H<sub>46</sub>Br<sub>2</sub>N<sub>2</sub></b> (c,II)	74BUR/VER
n-Eicosane		1,8-Bis(triethylammonium)octane dibromide	
<b>Phase Changes</b>		<b>Heat Capacity</b>	$C_p = 574.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c/liq	309.6 K,	Temperature range 273 to 373 K.	
	$\Delta H = 69000 \text{ J} \cdot \text{mol}^{-1}$	<b>Phase Changes</b>	
<b>Molecular Weight</b>	282.5518	c,II/c,I	438 K,
<b>Wiswesser Line Notation</b>	20H		$\Delta H = 12130 \text{ J} \cdot \text{mol}^{-1}$
<b>Evaluation</b>	A		$\Delta S = 27.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
		Temperature range 430 to 446 K.	
<b>C<sub>20</sub>H<sub>42</sub></b> (liq)	91CLA/LET	<b>Molecular Weight</b>	474.4048
n-Eicosane		<b>Wiswesser Line Notation</b>	2K2&2&8K2&2&2 E 2
<b>Phase Changes</b>		<b>Evaluation</b>	B
c,II/c,I			
	$\Delta H = 18395 \text{ J} \cdot \text{mol}^{-1}$		
Transition temperature not measurable.			
c,II/liq	309.2 K,	<b>C<sub>20</sub>H<sub>48</sub>CdCl<sub>4</sub>N<sub>2</sub></b> (c)	85RIC/CAV
c,I/liq	310.0 K,	Bis-decylammonium tetrachlorocadmium	
<b>Molecular Weight</b>	282.5518	<b>Phase Changes</b>	
<b>Wiswesser Line Notation</b>	20H	c,III/c,II	308 K,
<b>Evaluation</b>	A		$\Delta H = 8000 \text{ J} \cdot \text{mol}^{-1}$
			$\Delta S = 25 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>C<sub>20</sub>H<sub>42</sub>S</b> (liq)	82TUT/GAB	c,II/c,I	313 K,
1-Eicosanethiol; n-Eicosanyl mercaptan			$\Delta H = 29500 \text{ J} \cdot \text{mol}^{-1}$
<b>Heat Capacity</b>	300 K,		$\Delta S = 95 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
	$C_p = 725.84 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b>	570.8346
Temperature range 273 to 373 K.	$C_p = 702.70 + 4.703 \times 10^{-2} T + 10.040 \times 10^{-5} T^2$	<b>Wiswesser Line Notation</b>	-10-ZH 2 .CD G4
<b>Molecular Weight</b>	314.6118	<b>Evaluation</b>	B
<b>Wiswesser Line Notation</b>	SH20		
<b>Evaluation</b>	B		
<b>C<sub>20</sub>H<sub>48</sub>Cl<sub>4</sub>MnN<sub>2</sub></b> (c)	75BOC/ARI	<b>C<sub>20</sub>H<sub>48</sub>Cl<sub>4</sub>MnN<sub>2</sub></b> (c)	
		Tetrachlorobis-(decylammonium) manganese II	
<b>Phase Changes</b>		<b>Phase Changes</b>	
c,III/c,II	309 K,	c,III/c,II	$\Delta H = 1937 \text{ J} \cdot \text{mol}^{-1}$
			$\Delta S = 6.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c,II/c,I	437 K,	c,II/c,I	$\Delta H = 16.8 \text{ J} \cdot \text{mol}^{-1}$
			$\Delta S = 0.038 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	513.3626	<b>Molecular Weight</b>	513.3626
<b>Wiswesser Line Notation</b>	MN Z10&Z10 -G4	<b>Wiswesser Line Notation</b>	MN Z10&Z10 -G4
<b>Evaluation</b>	A	<b>Evaluation</b>	A

<b>C<sub>20</sub>H<sub>48</sub>CrI<sub>2</sub>P<sub>4</sub></b> (c)	93SOR/YUM	84LEB/BYK2
trans-Bis[1,2-bis(diethylphosphino)ethane] diiodochromium(II)		
<b>Heat Capacity</b> 300 K, $C_p = 740.96 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
Temperature range 14 to 300 K. Unsmoothed experimental datum.		
<b>Phase Changes</b>		
c,II/e,I 171.45 K, $\Delta H = 6686 \text{ J} \cdot \text{mol}^{-1}$		
	$\Delta S = 39.45 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Molecular Weight</b> 718.2992		
<b>Wiswesser Line Notation</b>		
<b>Evaluation</b> A		
<b>C<sub>20.84</sub>H<sub>16.66</sub>O<sub>0.62</sub></b> (c)	78KAR/SAP	
Polyphenylene PP-1 (linear)		
<b>Heat Capacity</b> 300 K, $C_p = 280 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
Temperature range 100 to 600 K. Data given graphically. Value estimated from graph.		
<b>Entropy</b> 298.15 K, $S = 253.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
<b>Molecular Weight</b> 277.0205		
<b>Wiswesser Line Notation</b> /*R DR C* ER/		
<b>Evaluation</b> C		
WLN excludes ketal end groups and uses the repeating unit: $(C_{18}H_{12})_n$ .		
<b>C<sub>20.84</sub>H<sub>16.66</sub>O<sub>0.62</sub></b> (c)	79KAR/SAP	24TAY/RIN
Polyphenylene PP-2 (crosslinked)		
<b>Heat Capacity</b> 300 K, $C_p = 230 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
Temperature range 100 to 600 K. Data given graphically. Value estimated from graph.		
<b>Entropy</b> 298.15 K, $S = 222.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
<b>Molecular Weight</b> 277.0205		
<b>Wiswesser Line Notation</b> /R A* D- ARC* ER/		
<b>Evaluation</b> C		
WLN excludes ketal end groups and uses the repeating unit: $(C_{18}H_{12})_n$ . PP-2 is the product of thermal crosslinking of PP-1.		
<b>(C<sub>21</sub>H<sub>12</sub>N<sub>2</sub>O<sub>2</sub>)<sub>n</sub></b> (c)	73KAR/MOC2	77FIN/MES
Poly-2,2'-(m-phenylene)-5,5'-dibenzoxazole methane		
<b>Heat Capacity</b> 300 K, $C_p = 324.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
Temperature range 100 to 490 K.		
<b>Entropy</b> 300 K, $S = 330.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
<b>Molecular Weight</b> 324.3381		
<b>Wiswesser Line Notation</b> /T56 BN DOJ C* H1H- HT56 BN DOJ CR& C*/		
<b>Evaluation</b> B		
Anomaly in $C_p$ vs. $T$ curve at 450 to 520 K.		
<b>(C<sub>21</sub>H<sub>12</sub>N<sub>2</sub>O<sub>2</sub>)<sub>n</sub></b> (c)	75KAR/RAB	
Poly-2,2'-(m-phenylene)-5,5'-dibenzoxazole methane		
<b>Heat Capacity</b>		
Temperature range 60 to 350 K. Data given graphically.		
<b>Entropy</b> 300 K, $S = 330.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
<b>Molecular Weight</b> 324.3381		
<b>Wiswesser Line Notation</b> /T56 BN DOJ C* H1H- HT56 BN DOJ CR& C*/		
<b>Evaluation</b> A		
<b>C<sub>21</sub>H<sub>11</sub>N<sub>2</sub>O<sub>4</sub></b> (c)	78MAR/CIO	86OVC/POD
Bis-(4-(N-maleimidomethyl)phenyl)methane		
<b>Heat Capacity</b> 298 K, $C_p = 118.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
Temperature range 298 to 571 K. Values for solid seem odd: increase from 118 to 345 $\text{J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ at 420 K.		
<b>Phase Changes</b>		
c/liq 430.9 K, $\Delta H = 18220 \text{ J} \cdot \text{mol}^{-1}$		
	$\Delta S = 42.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Molecular Weight</b> 358.3526		
<b>Wiswesser Line Notation</b> T5VNVJ BR DIR D- BT5VNVJ		
<b>Evaluation</b> D		
<b>C<sub>21</sub>H<sub>15</sub>N<sub>3</sub></b> (c)		
Triphenyl-s-triazine		
<b>Heat Capacity</b> 298.15 K, $C_p = 345.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
Temperature range 18 to 330 K.		
<b>Entropy</b> 298.15 K, $S = 349.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
<b>Phase Changes</b>		
c/liq 506.65 K		
<b>Molecular Weight</b> 309.3696		
<b>Wiswesser Line Notation</b> T6N CN ENJ BR DR FR		
<b>Evaluation</b> A		
<b>C<sub>21</sub>H<sub>15</sub>N<sub>11</sub>O<sub>20</sub></b> (c)		
Tetryl-bis(trinitrotoluene) complex		
<b>Heat Capacity</b> 293 K, $C_p = 955.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
Temperature range 90 to 333 K.		
<b>Molecular Weight</b> 741.4112		
<b>Wiswesser Line Notation</b> WNN1&R DNW DNW FNW &WNR BCNW ENW 2		
<b>Evaluation</b> C		
<b>C<sub>21</sub>H<sub>16</sub></b> (c)		
1,2'-Dinaphthylmethane		
<b>Heat Capacity</b> 298.15 K, $C_p = 314.51 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
Temperature range 10 to 440 K.		
<b>Entropy</b> 298.15 K, $S = 310.75 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
<b>Phase Changes</b>		
c/liq 369.55 K, $\Delta H = 30557.0 \text{ J} \cdot \text{mol}^{-1}$		
	$\Delta S = 82.69 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Molecular Weight</b> 268.3574		
<b>Wiswesser Line Notation</b> L66J B1- CL66J		
<b>Evaluation</b> A		
<b>(C<sub>21</sub>H<sub>16</sub>N<sub>2</sub>O<sub>4</sub>)<sub>n</sub></b> (c)		73KAR/MOC2
Poly-4,4'-dihydroxy-3,3'-isophthalimidodiphenylmethane		
<b>Heat Capacity</b> 300 K, $C_p = 476.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
Temperature range 100 to 490 K.		
<b>Entropy</b> 300 K, $S = 448.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
<b>Molecular Weight</b> 360.3685		
<b>Wiswesser Line Notation</b> /*VMR BQ EIR DQ CMVR C*/		
<b>Evaluation</b> B		
Anomalies in $C_p$ vs. $T$ curve at 360 to 440 K and 450 to 520 K.		
<b>(C<sub>21</sub>H<sub>16</sub>N<sub>2</sub>O<sub>4</sub>)<sub>n</sub></b> (c)		75KAR/RAB
Poly-4,4'-dihydroxy-3,3'-isophthalimidodiphenylmethane		
<b>Heat Capacity</b>		
Temperature range 60 to 350 K. Data given graphically.		
<b>Entropy</b> 300 K, $S = 448.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
<b>Molecular Weight</b> 360.3685		
<b>Wiswesser Line Notation</b> /*VMR BQ EIR DQ CMVR C*/		
<b>Evaluation</b> A		
<b>C<sub>21</sub>H<sub>21</sub>O<sub>4</sub>P</b> (gls)		
Tricresyl phosphate		
<b>Heat Capacity</b> 298.15 K, $C_p = 578 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
Temperature range 6 to 320 K.		
<b>Entropy</b> 298.15 K, $S = 570 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
<b>Molecular Weight</b> 368.3683		
<b>Wiswesser Line Notation</b> OPOR D1 &OR D1 &OR D1		
<b>Evaluation</b> A		
Glass transition, $T(\text{glass}) = 207.0 \text{ K}$ .		

<b>C<sub>21</sub>H<sub>24</sub>N<sub>2</sub>O<sub>3</sub></b> (c)	88FAN/POE	<b>C<sub>21</sub>H<sub>24</sub>Si<sub>3</sub>O<sub>3</sub></b> (c)	81MEK/KAR
4-n-Pentanoyl-4-n'-butanoyloxyazobenzene		<i>cis</i> -Tri(methylphenyl)trisiloxane	
<b>Phase Changes</b>		<b>Heat Capacity</b>	298.15 K, $C_p = 538.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c/liq	373.3 K, $\Delta H = 14234 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 38.12 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Temperature range 13 to 390 K. Data given graphically.	
Solid-smectic 2.		<b>Entropy</b>	298.15 K, $S = 571.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
liq/liq	378.1 K, $\Delta H = 14242 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 37.67 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Phase Changes</b>	
Smectic 2-smectic A.		c/liq	373.2 K, $\Delta H = 47254 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 115.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
liq/liq	398.4 K, $\Delta H = 3406 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 8.548 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b>	408.6753
Smectic A-nematic.		<b>Wiswesser Line Notation</b>	T6-SI-O-SI-O-SI-OTJ A1 AR C1 CR E1 ER -C
liq/liq	404.7 K, $\Delta H = 766 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 1.891 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Evaluation</b>	A
Nematic-isotropic.			
<b>Molecular Weight</b>	352.4322		
<b>Wiswesser Line Notation</b>	4VR DNUNR DOV3		
<b>Evaluation</b>	A		
<b>C<sub>21</sub>H<sub>24</sub>N<sub>2</sub>O<sub>3</sub></b> (c)	83FAN/POE	<b>C<sub>21</sub>H<sub>24</sub>Si<sub>3</sub>O<sub>3</sub></b> (c)	81MEK/KAR
4-Propionyl-4'-n-hexanoyloxyazobenzene		<i>trans</i> -Tri(methylphenyl)trisiloxane	
<b>Phase Changes</b>		<b>Heat Capacity</b>	298.15 K, $C_p = 506.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
liq/liq	361.65 K, $\Delta H = 2720 \text{ J} \cdot \text{mol}^{-1}$	Temperature range 13 to 390 K. Data given graphically.	
Smectic A—smectic B (monotropic phase) liquid transition.		<b>Entropy</b>	298.15 K, $S = 564 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c/liq	372.15 K, $\Delta H = 29790 \text{ J} \cdot \text{mol}^{-1}$	<b>Phase Changes</b>	
Solid-smectic A.		c/liq	320.9 K, $\Delta H = 43769 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 136.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
liq/liq	411.65 K, $\Delta H = 3933 \text{ J} \cdot \text{mol}^{-1}$	<b>Molecular Weight</b>	408.6753
Smectic A-nematic liquid transition.		<b>Wiswesser Line Notation</b>	T6-SI-O-SI-O-SI-OTJ A1 AR C1 CR E1 ER -T
liq/liq	420.65 K, $\Delta H = 879 \text{ J} \cdot \text{mol}^{-1}$	<b>Evaluation</b>	A
Nematic-isotropic liquid transition.			
<b>Molecular Weight</b>	352.4322		
<b>Wiswesser Line Notation</b>	5VOR DNUNR DV2		
<b>Evaluation</b>	A		
<b>C<sub>21</sub>H<sub>24</sub>O<sub>3</sub>Si<sub>3</sub></b> (c)	75MEK/KAR3	<b>C<sub>21</sub>H<sub>24</sub>O<sub>4</sub></b> (c)	87LES/LIC
<i>cis</i> -1,3,5-Trimethyl-1,3,5-triphenylcyclotrisiloxane		2,2-Bis(phenyl-4-glycidoxy)propane	
<b>Heat Capacity</b>	298.15 K, $C_p = 538.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298 K, $C_p = 485.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 13 to 390 K.		Temperature range 250 to 300 K.	
<b>Entropy</b>	298.15 K, $S = 571.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Phase Changes</b>	
<b>Phase Changes</b>		c/liq	313 K
c/liq	374.4 K, $\Delta H = 43070 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 115.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b>	340.4182
<b>Molecular Weight</b>	408.6753	<b>Wiswesser Line Notation</b>	T3OTJ B1OR DXR DO1- -BT3OTJ
<b>Wiswesser Line Notation</b>	T6-SI O-SI-O-SI-OTJ A1 AR C1 CR E1 ER -C	<b>Evaluation</b>	B
<b>Evaluation</b>			
<b>C<sub>21</sub>H<sub>24</sub>O<sub>3</sub>Si<sub>3</sub></b> (c)	75MEK/KAR3	<b>C<sub>21</sub>H<sub>25</sub>N</b> (liq)	82THO/MAR
<i>trans</i> -1,3,5-Trimethyl-1,3,5-triphenylcyclotrisiloxane		4-Octyl-4'-cyanobiphenyl	
<b>Heat Capacity</b>	298.15 K, $C_p = 506.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Phase Changes</b>	
Temperature range 13 to 390 K.		c/liq	294.45 K, $\Delta H = 25700 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 87.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Entropy</b>	298.15 K, $S = 565.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Solid-smectic A.	
<b>Phase Changes</b>		liq/liq	306.921 K
c/liq	321.2 K, $\Delta H = 43769 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 136.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Smectic A-nematic. Continuous transition with an upper limit of 0.2 $\text{J} \cdot \text{mol}^{-1}$ .	
<b>Molecular Weight</b>	408.6753	liq/liq	313.91 K, $\Delta H = 612 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 1.95 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b>	T6-SI-O-SI-O-SI-OTJ A1 AR C1 CR E1 ER-T	Nematic-isotropic.	
<b>Evaluation</b>	A	<b>Molecular Weight</b>	291.4352
		<b>Wiswesser Line Notation</b>	NCR DR D8
		<b>Evaluation</b>	B
<b>C<sub>21</sub>H<sub>24</sub>O<sub>3</sub>Si<sub>3</sub></b> (c)	75MEK/KAR3	<b>C<sub>21</sub>H<sub>25</sub>N</b> (c)	83MAR/THC
<i>trans</i> -1,3,5-Trimethyl-1,3,5-triphenylcyclotrisiloxane		4-Octyl-4'-cyanobiphenyl	
<b>Heat Capacity</b>	298.15 K, $C_p = 506.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Phase Changes</b>	
Temperature range 13 to 390 K.		c/liq	294.45 K, $\Delta H = 25700 \text{ J} \cdot \text{mol}^{-1}$
<b>Entropy</b>	298.15 K, $S = 565.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Solid-smectic A.	
<b>Phase Changes</b>		liq/liq	306.921 K, $\Delta H = 0.4 \text{ J} \cdot \text{mol}^{-1}$
c/liq	321.2 K, $\Delta H = 43769 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 136.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Smectic A-nematic.	
<b>Molecular Weight</b>	408.6753	liq/liq	313.91 K, $\Delta H = 612 \text{ J} \cdot \text{mol}^{-1}$
<b>Wiswesser Line Notation</b>	T6-SI-O-SI-O-SI-OTJ A1 AR C1 CR E1 ER-T	Nematic-isotropic.	
<b>Evaluation</b>	A	<b>Molecular Weight</b>	291.4352
		<b>Wiswesser Line Notation</b>	NCR DR D8
		<b>Evaluation</b>	D

$C_{21}H_{25}NO$ (c) Octyloxycyanobiphenyl <b>Heat Capacity</b> $C_p$ data given graphically only. Temperature range 334 to 348 K. Smectic A-nematic transition at 340 K. <b>Molecular Weight</b> 307.4346 <b>Wiswesser Line Notation</b> NCR DR DO8 <b>Evaluation</b> D	78JOH/HAY	$C_{21}H_{30}O$ (c) 1,1'-Diadamantyl ketone <b>Heat Capacity</b> 298.15 K, One temperature. <b>Molecular Weight</b> 298.4674 <b>Wiswesser Line Notation</b> L66 B6/B-H/DI A B- C 1B ITJ BV- BL66 B6/B-H/DI A B- C 1B ITJ <b>Evaluation</b> B	92ABB/JIM
$C_{21}H_{25}NO_5$ (c) 4-Nitrophenyl-4'-n-octyloxybenzoate <b>Phase Changes</b> c,II/c,I 323 K c,II/liq 323.2 K, liq/liq 334 K, liq/liq 341 K,  Solid-smectic. liq/liq 341 K, liq/liq 341 K,  Nematic-isotropic. <b>Molecular Weight</b> 371.4322 <b>Wiswesser Line Notation</b> WNR DOVR DO8 <b>Evaluation</b> B	79BAT/BUK	$C_{21}H_{38}$ (liq) 9-(2'-Ethylhexyl)perhydrofluorene <b>Heat Capacity</b> 313 K, Temperature range 313 to 583 K. <b>Molecular Weight</b> 290.5312 <b>Wiswesser Line Notation</b> L B656TJ H1Y4&2 <b>Evaluation</b> C	63GUD/CAM
$C_{21}H_{25}NO_5$ (c) 4-Nitrophenyl-4'-n-octyloxybenzoate <b>Heat Capacity</b> 300 K, Temperature range 100 to 356 K. Data given graphically. Value given is an estimate from the graph. <b>Phase Changes</b> c/liq 323.70 K, liq/liq 334.9 K, liq/liq 341.2 K, liq/liq 341.2 K,  Solid-smectic. liq/liq 334.9 K, liq/liq 341.2 K,  Smectic-nematic. liq/liq 341.2 K, liq/liq 341.2 K,  Nematic-isotropic. <b>Molecular Weight</b> 371.4322 <b>Wiswesser Line Notation</b> WNR DOVR DO8 <b>Evaluation</b> B	82RAC/MAS	$C_{21}H_{38}$ (liq) 1,1,3-Tricyclohexylpropane <b>Heat Capacity</b> 373 K, Temperature range 373 to 583 K. <b>Molecular Weight</b> 290.5312 <b>Wiswesser Line Notation</b> L6TJ AY2AL6TJ&- AL6TJ <b>Evaluation</b> C	63GUD/CAM
$C_{21}H_{26}O_2$ (c) 4-Methoxy-4'-hexoxy-trans-stilbene <b>Phase Changes</b> c/liq 430 K. liq/liq 426 K. liq/liq 426 K.  Crystal-isotropic liquid transition. liq/liq 426 K.  Nematic-isotropic liquid transition. <b>Molecular Weight</b> 310.4352 <b>Wiswesser Line Notation</b> 6OR D1U1R CO1 -T <b>Evaluation</b> B	72YOU/HAL	$C_{21}H_{40}$ (liq) 4-n-Nonylbicyclohexyl <b>Heat Capacity</b> 313 K, Temperature range 313 to 483 K. <b>Molecular Weight</b> 292.5470 <b>Wiswesser Line Notation</b> L6TJ A -AL6TJ D9 <b>Evaluation</b> C	63GUD/CAM
$C_{21}H_{27}N_7O_{14}P_2 \cdot 3H_2O$ (c) Nicotinamide adenine dinucleotide trihydrate; NAD <b>Heat Capacity</b> 298 K. One temperature. <b>Molecular Weight</b> 717.4760 <b>Wiswesser Line Notation</b> T56 BN DN FN HNJ IZ D- BT5OTJ CQ DQ E1OPQQOP1OP01- BT5OTJ CQ DQ E- AT6NJ CVZ & QH 3 <b>Evaluation</b> C	79YAN/RUP	$C_{21}H_{42}Br_2N_2$ (c) 1,3-Bis(triallylammmonium)propane dibromide <b>Heat Capacity</b> 298 K, Temperature range 273 to 373 K. <b>Molecular Weight</b> 482.3842 <b>Wiswesser Line Notation</b> 1U2K2U1&2U1&3K2U1&2U1&2U1 2 <b>Evaluation</b> B	74BUR/VER
$C_{21}H_{42}O_2$ (c) Ethyl nonadecanoate <b>Phase Changes</b> c,II/c,I 309.2 K, Heat of transition at melting point. <b>Molecular Weight</b> 358.5604 <b>Wiswesser Line Notation</b> 18VO2 <b>Evaluation</b> B		$C_{21}H_{42}O_2$ (c) Ethyl nonadecanoate <b>Phase Changes</b> c,II/c,I 309.2 K, $\Delta H = 6631 \text{ J} \cdot \text{mol}^{-1}$ Heat of transition at melting point. <b>Molecular Weight</b> 358.5604 <b>Wiswesser Line Notation</b> 18VO2 <b>Evaluation</b> B	36KIN/GAR

$C_{21}H_{42}O_2$ (c)		36KIN/GAR	$C_{22}H_{13}N_3O_7$ (c)		79FAR/SHA
Methyl eicosanoate			Fluoranthene-picric acid		
<b>Phase Changes</b>			<b>Phase Changes</b>		
c/liq	318.56 K,	$\Delta H = 26434 \text{ J} \cdot \text{mol}^{-1}$	c,II/c,I	365.6 K,	$\Delta H = 13800 \text{ J} \cdot \text{mol}^{-1}$
<b>Molecular Weight</b>	358.5604			$\Delta S = 37.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Wiswesser Line Notation</b>	19VO1			$\Delta H = 24700 \text{ J} \cdot \text{mol}^{-1}$	
<b>Evaluation</b>	B			$\Delta S = 53.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
$C_{21}H_{42}O_4$ (c)		65SIL/DAU			
2-Monostearin					
<b>Heat Capacity</b>	298 K,	$C_p = 610.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
One temperature.					
<b>Molecular Weight</b>	358.5604				
<b>Wiswesser Line Notation</b>	Q1Y1QOV17				
<b>Evaluation</b>	B				
$C_{21}H_{42}O_4$ (c, $\alpha$ )		55WAR/VIC	$C_{22}H_{13}N_3O_7$ (c)		79FAR/SHA
1-Monostearin			Pyrene-picric acid		
<b>Heat Capacity</b>	298.2 K,	$C_p = 866.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Phase Changes</b>		
Temperature range -74 to 114 °C. Give experimental points and equations for solid and liquid states. Sub-alpha form, $C_p = 0.4977 + 0.00318t \text{ cal} \cdot \text{g}^{-1} \cdot \text{C}^{-1}$ , -13 to 40 °C; liquid, $C_p = 0.5118 + 0.00182t \text{ cal} \cdot \text{g}^{-1} \cdot \text{C}^{-1}$ , 87 to 100 °C.			c,III/c,II	443.2 K,	$\Delta H = 2900 \text{ J} \cdot \text{mol}^{-1}$
<b>Phase Changes</b>					$\Delta S = 6.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c, $\alpha$ /liq	347.2 K,	$\Delta H = 59095 \text{ J} \cdot \text{mol}^{-1}$			$\Delta H = 1200 \text{ J} \cdot \text{mol}^{-1}$
		$\Delta S = 170.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			$\Delta S = 2.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b>	358.5604				
<b>Wiswesser Line Notation</b>	Q1YQ1OV17				
<b>Evaluation</b>	C				
$C_{21}H_{42}O_4$ (c)		65SIL/DAU	$(C_{22}H_{14}N_2O_2)_n$ (c)		77KAR/BAZ
1-Monostearin			Poly-( <i>p,p'</i> -diphenylene oxide)pyromellitimide		
<b>Heat Capacity</b>	298 K,	$C_p = 610.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	300 K,	$C_p = 592.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
One temperature, B <sub>1</sub> -form.			Temperature range 60 to 400 K.		
<b>Molecular Weight</b>	358.5604		<b>Entropy</b>	300 K,	$S = 543.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b>	Q1YQ1OV17		<b>Molecular Weight</b>	418.3619	
<b>Evaluation</b>	B		<b>Wiswesser Line Notation</b>	*ZVR BVQ DVQ EVMR DOR*/	
 			<b>Evaluation</b>	B	
$C_{21}H_{44}$ (c)		55SCH/BUS	$C_{22}H_{14}O_4$ (c)		77KAR/RAB
<i>n</i> -Heneicosane			1,4-Bis(phenylglyoxaloyl)benzene		
<b>Phase Changes</b>			<b>Heat Capacity</b>	300 K,	$C_p = 435 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c,II/c,I	305.65 K,	$\Delta H = 15481 \text{ J} \cdot \text{mol}^{-1}$	Temperature range 100 to 700 K. Data given graphically. Value estimated from graph.		
		$\Delta S = 50.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Entropy</b>	300 K,	$S = 381.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c,I/liq	313.35 K,	$\Delta H = 47698 \text{ J} \cdot \text{mol}^{-1}$			
		$\Delta S = 152.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Phase Changes</b>	c/liq	$\Delta H = 32300 \text{ J} \cdot \text{mol}^{-1}$
<b>Molecular Weight</b>	296.5786				$\Delta S = 76.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b>	21H		<b>Molecular Weight</b>	342.3502	
<b>Evaluation</b>	B		<b>Wiswesser Line Notation</b>	RVVR DVVR	
 			<b>Evaluation</b>	$C(C_p)$ , A(S, Phase changes)	
$C_{21}H_{44}$ (liq)		84GRJ/AND	$C_{22}H_{18}N_4O_4$ (c)		79KAR/SAI
<i>n</i> -Heneicosane			4',4"-Diphenylenephthalidodicarboxylic acid dihydrazide		
<b>Heat Capacity</b>	315.93 K,	$C_p = 666.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p = 460.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 316 to 433 K. Unsmoothed experimental datum given as 2.247 kJ/kg · K.			Temperature range 60 to 298 K.		
<b>Molecular Weight</b>	296.5786		<b>Entropy</b>	298.15 K,	$S = 441.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b>	21H		<b>Molecular Weight</b>	402.4086	
<b>Evaluation</b>	B		<b>Wiswesser Line Notation</b>	ZMVR DX& BT56 BHOVJ&R& DVMZ	
 			<b>Evaluation</b>	A	
$C_{21}H_{44}$ (c)		91BAR/SCH			
<i>n</i> -Heneicosane					
<b>Phase Changes</b>					
c,II/c,I	305.1 K,	$\Delta H = 16500 \text{ J} \cdot \text{mol}^{-1}$			
c,I/liq	313.4 K,	$\Delta H = 46000 \text{ J} \cdot \text{mol}^{-1}$			
<b>Molecular Weight</b>	296.5786				
<b>Wiswesser Line Notation</b>	21H				
<b>Evaluation</b>	A				

<b>C<sub>22</sub>H<sub>18</sub>O<sub>4</sub></b> (c) 4,4'-Dipropanoyloxydiphenyldiacetylene <b>Phase Changes</b> c,II/c,II 351 K, $\Delta H = 586 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 1.674 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ c,II/c,I 359 K, $\Delta H = 7530 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 20.96 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ c,I/liq 430 K, $\Delta H = 19400 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 45.35 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ Solid-nematic. liq/liq 470 K, $\Delta H = 1380 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 2.929 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ Nematic-isotropic liquid transition. <b>Molecular Weight</b> 346.3818 <b>Wiswesser Line Notation</b> 2VOR D1UU2UU1R DOV2 <b>Evaluation</b> A	84OZC/ASR	<b>C<sub>22</sub>H<sub>24</sub>O<sub>6</sub></b> (c) Di( <i>p</i> -methoxyphenyl)- <i>trans</i> -cyclohexane-1,4-dicarboxylate <b>Heat Capacity</b> 297.0 K, $C_p = 478.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ Temperature range 297 to 550 K. Value is unsmoothed experimental datum. <b>Phase Changes</b> c,II,c,I 411.58 K, $\Delta H = 4806 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 11.69 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ c,I/liq 416.16 K, $\Delta H = 31481 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 76.51 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ Crystal I - nematic liquid transition. liq/liq 516.0 K, $\Delta H = 2865 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 5.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ Nematic-isotropic liquid transition. <b>Molecular Weight</b> 384.4280 <b>Wiswesser Line Notation</b> L6TJ AVOR BO1& DVOR DO1 <b>Evaluation</b> A	74AND/BAC
<b>C<sub>22</sub>H<sub>20</sub>AuN<sub>2</sub>S<sub>8</sub>Se<sub>4</sub></b> (c) Bis[dimethyl(ethylenedithio)diselenadithiafulvalene] dicyanoaurate(I) <b>Heat Capacity</b> Temperature range 150 to 250 K. Data given graphically. <b>Phase Changes</b> c,II/c,I 180 K, $\Delta H = 100 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 0.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ Hump between 160 and 190 K. <b>Molecular Weight</b> 1081.6999 <b>Wiswesser Line Notation</b> <b>Evaluation</b> A	89SAI/KAM	<b>C<sub>22</sub>H<sub>26</sub></b> (c) 1,1'-Diphenyl-1,1'-bicyclopentane <b>Heat Capacity</b> 298 K, $C_p = 375.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ One temperature. $C_p$ given as 0.309 cal.K <sup>-1</sup> .g <sup>-1</sup> . <b>Molecular Weight</b> 290.4474 <b>Wiswesser Line Notation</b> L5TJ AR A- AL5TJ AR <b>Evaluation</b> B	83KRA/BEC
<b>C<sub>22</sub>H<sub>20</sub>N<sub>2</sub>O<sub>2</sub></b> (c) 3-Phenyl-5-phenoxymethyl-2-N-phenyliminooxazolidine <b>Heat Capacity</b> 298.15 K, $C_p = 400.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ Temperature range 0 to 330 K. <b>Entropy</b> 298.15 K, $S = 426.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ <b>Molecular Weight</b> 344.4122 <b>Wiswesser Line Notation</b> T5NYOTJ AR BUNR D1OR <b>Evaluation</b> A	87BYK/KIP	<b>C<sub>22</sub>H<sub>26</sub>F<sub>6</sub>FeN<sub>4</sub>O<sub>2</sub>P</b> (c) Bis-[N-(1-acetyl-2-propylidene)(2-pyridylmethyl) amine]iron(III) phosphorus hexafluoride <b>Heat Capacity</b> 298.15 K, $C_p = 623.479 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ Temperature range 5 to 310 K. <b>Entropy</b> 298.15 K, $S = 731.869 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ <b>Phase Changes</b> c,II/c,I 190 K, $\Delta H = 7025 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 36.19 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ Spin-crossover, 120 to 280 K. <b>Molecular Weight</b> 579.2842 <b>Wiswesser Line Notation</b> T6NJ B1NY1&U1V1 2.FE P F 6 <b>Evaluation</b> A	90SOR/MAE
<b>C<sub>22</sub>H<sub>20</sub>N<sub>2</sub>O<sub>4</sub></b> (c) N,N'-Bis( <i>m</i> -methoxyphenyl)terephthalamide <b>Heat Capacity</b> 298.15 K, $C_p = 458.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ One temperature. <b>Molecular Weight</b> 376.4110 <b>Wiswesser Line Notation</b> 10R CMVR DVMR CO1 <b>Evaluation</b> C	73HAM/MIT	<b>C<sub>22</sub>H<sub>26</sub>N<sub>2</sub>O<sub>3</sub></b> (c) 4- <i>n</i> -Pantanoyl-4- <i>n'</i> -pantanoyloxyazobenzene <b>Phase Changes</b> c/liq 355.1 K, $\Delta H = 7100 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 20.00 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ Solid-smectic 2. liq/liq 377.1 K, $\Delta H = 4690 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 12.44 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ Smectic 2-smectic 1. liq/liq 377.5 K, $\Delta H = 7682 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 20.34 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ Smectic 1-smectic A. liq/liq 399.5 K, $\Delta H = 6088 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 15.24 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ Smectic A-isotropic. <b>Molecular Weight</b> 366.4590 <b>Wiswesser Line Notation</b> 4VR DNUNR DOV4 <b>Evaluation</b> A	88FAN/POE
<b>C<sub>22</sub>H<sub>20</sub>N<sub>2</sub>O<sub>4</sub></b> (c) N,N'-Bis( <i>p</i> -methoxyphenyl)terephthalamide <b>Heat Capacity</b> 298.15 K, $C_p = 467.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ One temperature. <b>Molecular Weight</b> 376.4110 <b>Wiswesser Line Notation</b> 10R DMVR DVMR DO1 <b>Evaluation</b> C	73HAM/MIT		

<b>C<sub>22</sub>H<sub>26</sub>N<sub>2</sub>O<sub>3</sub></b> (c)	83FAN/POE	
4-Propionyl-4'-n-heptanoyloxyazobenzene		
<b>Phase Changes</b>		
liq/liq 358.55 K, $\Delta H = 84 \text{ J} \cdot \text{mol}^{-1}$		
Hexatic - monotropic smectic B liquid transition.		
liq/liq 362.85 K, $\Delta H = 1590 \text{ J} \cdot \text{mol}^{-1}$		
Smectic A - monotropic hexatic liquid transition.		
c/liq 365.15 K, $\Delta H = 24811 \text{ J} \cdot \text{mol}^{-1}$		
$\Delta S = 67.95 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
Solid - smectic A.		
liq/liq 414.65 K, $\Delta H = 5314 \text{ J} \cdot \text{mol}^{-1}$		
Smectic A - nematic liquid transition.		
liq/liq 416.65 K, $\Delta H = 920 \text{ J} \cdot \text{mol}^{-1}$		
Nematic - isotropic liquid transition.		
<b>Molecular Weight</b> 366.4590		
<b>Wiswesser Line Notation</b> 6VOR DNUNR DV2		
<b>Evaluation</b> A		
<b>C<sub>22</sub>H<sub>27</sub>N</b> (c)	83MAR/THO	
4-Nonyl-4'-cyanobiphenyl		
<b>Phase Changes</b>		
liq/liq 320.8 K, $\Delta H = 5 \text{ J} \cdot \text{mol}^{-1}$		
$\Delta S = 0.02 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
Smectic A - nematic.		
liq/liq 322.7 K, $\Delta H = 1200 \text{ J} \cdot \text{mol}^{-1}$		
$\Delta S = 3.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
Nematic-isotropic.		
c/liq $\Delta H = 34500 \text{ J} \cdot \text{mol}^{-1}$		
Solid - smectic A.		
<b>Molecular Weight</b> 305.4620		
<b>Wiswesser Line Notation</b> NCR DR D9		
<b>Evaluation</b> D		
<b>C<sub>22</sub>H<sub>28</sub>N<sub>2</sub>NiO<sub>4</sub></b> (c)	72ARA/SOR	
Bis[N-(3-methoxysalicylidene)isopropylamine] nickel(II)		
<b>Heat Capacity</b> 299.010 K, $C_p = 741.87 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
Temperature range 230 to 343 K. Unsmoothed experimental datum.		
<b>Molecular Weight</b> 443.1742		
<b>Wiswesser Line Notation</b> T6 C6-NI- BO JNJ DO1 JY1&1 A-& AT6 C6-NI- BO JNJ DO1 JY1&1		
<b>Evaluation</b> B		
T(glass)= 297.5 K, $\Delta C_p = 172 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .		
<b>C<sub>22</sub>H<sub>28</sub>O<sub>2</sub></b> (c)	72YOU/HAL	
4-Methoxy-4'-heptoxy-trans-stilbene		
<b>Phase Changes</b>		
liq/liq 421 K, $\Delta H = 665 \text{ J} \cdot \text{mol}^{-1}$		
$\Delta S = 1.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
Nematic-isotropic liquid transition.		
c/liq 423 K, $\Delta H = 42760 \text{ J} \cdot \text{mol}^{-1}$		
$\Delta S = 101.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
Crystal-isotropic liquid transition.		
<b>Molecular Weight</b> 324.4620		
<b>Wiswesser Line Notation</b> 7OR D1UIR DO1 -T		
<b>Evaluation</b> B		
<b>C<sub>22</sub>H<sub>28</sub>O<sub>2</sub></b> (c)	79LEW/ENE	
Norethindrone acetate		
<b>Phase Changes</b>		
c/liq 480 K, $\Delta H = 27300 \text{ J} \cdot \text{mol}^{-1}$		
$\Delta S = 56.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
<b>Molecular Weight</b> 324.4620		
<b>Wiswesser Line Notation</b> L E5 B666 OV MUTJ E1 FV1 F1UU1		
<b>Evaluation</b> A		
<b>C<sub>22</sub>H<sub>36</sub>N<sub>2</sub>O<sub>4</sub>)<sub>n</sub></b> (c)	89LEB/KIP	
Poly-1,4-bis-(2,2,6,6-tetramethyl-4-oxy-1-oxylpiperidyl)butadiyne		
<b>Heat Capacity</b> 298.15 K, $C_p = 562.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
Temperature range 5 to 330 K.		
<b>Entropy</b> 298.15 K, $S = 579.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
<b>Molecular Weight</b> 392.5374		
<b>Wiswesser Line Notation</b> T6NTJ B1 B1 DQ F1 F1 AO1UU2UU10- AT6NTJ B1 B1 DQ F1 F1		
<b>Evaluation</b> B		
Empirical formula in 89LEB/KIP is given as C <sub>22</sub> H <sub>34</sub> N <sub>2</sub> O <sub>4</sub> .		
<b>C<sub>22</sub>H<sub>29</sub>NO</b> (c)	83SOR/TAN	
N-p-n-Pentyloxybenzylidene-p'-n-butylaniline		
<b>Heat Capacity</b> 298.15 K, $C_p = 512.71 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
Temperature range 11 to 393 K. $C_p = 2.3491T - 187.67 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
K <sup>-1</sup> (11 to 299.69 K). $C_p$ value is calculated from equation.		
<b>Entropy</b> 280 K, $S = 478.16 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
<b>Phase Changes</b>		
c/liq 299.69 K, $\Delta H = 22680 \text{ J} \cdot \text{mol}^{-1}$		
$\Delta S = 75.70 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
Solid-smectic G liquid transition.		
liq/liq 325.72 K, $\Delta H = 7110 \text{ J} \cdot \text{mol}^{-1}$		
$\Delta S = 21.79 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
Smectic G - nematic liquid transition.		
liq/liq 342.48 K, $\Delta H = 1780 \text{ J} \cdot \text{mol}^{-1}$		
$\Delta S = 5.22 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
Nematic - isotropic liquid transition.		
<b>Molecular Weight</b> 323.4772		
<b>Wiswesser Line Notation</b> 5OR D1UNR D4		
<b>Evaluation</b> A		
<b>C<sub>22</sub>H<sub>29</sub>NO</b> (gls)	83SOR/TAN	
N-p-n-Pentyloxybenzylidene-p'-n-butylaniline		
<b>Heat Capacity</b> 300 K, $C_p = 561.46 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
Temperature range 10 to 320 K.		
<b>Entropy</b> 300 K, $S = 588.03 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
<b>Molecular Weight</b> 323.4772		
<b>Wiswesser Line Notation</b> 5OR D1UNR D4		
<b>Evaluation</b> A		
Glassy and undercooled S <sub>G</sub> phase.		
<b>C<sub>22</sub>H<sub>36</sub>Br<sub>2</sub>N<sub>2</sub></b> (c,II)	74BUR/VER	
1,4-Bis(triallylammonium)butene-2-dibromide		
<b>Heat Capacity</b> 298 K, $C_p = 582.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
Temperature range 273 to 373 K.		
<b>Phase Changes</b>		
c,II/c,I 430 K, $\Delta H = 9200 \text{ J} \cdot \text{mol}^{-1}$		
$\Delta S = 21.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
Temperature range 425 to 436 K.		
<b>Molecular Weight</b> 494.3951		
<b>Wiswesser Line Notation</b> 1U2K2U1&2U1&2U2K2U1&2U1&2U1&E &E		
<b>Evaluation</b> B		
<b>C<sub>22</sub>H<sub>36</sub>N<sub>2</sub>O<sub>4</sub></b> (c)	89LEB/KIP	
1,4-Bis-(2,2,6,6-tetramethyl-4-oxy-1-oxylpiperidyl) butadiyne		
<b>Heat Capacity</b> 298.15 K, $C_p = 562.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
Temperature range 5 to 330 K.		
<b>Entropy</b> 298.15 K, $S = 579.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
<b>Molecular Weight</b> 392.5374		
<b>Wiswesser Line Notation</b> T6NTJ B1 B1 DQ F1 F1 AO1UU2UU10- AT6NTJ B1 B1 DQ F1 F1		
<b>Evaluation</b> B		
Empirical formula in 89LEB/KIP is given as C <sub>22</sub> H <sub>34</sub> N <sub>2</sub> O <sub>4</sub> .		
<b>(C<sub>22</sub>H<sub>36</sub>N<sub>2</sub>O<sub>4</sub>)<sub>n</sub></b> (c)	89LEB/KIP	
Poly-1,4-bis-(2,2,6,6-tetramethyl-4-oxy-1-oxylpiperidyl)butadiyne		
<b>Heat Capacity</b> 298.15 K, $C_p = 531.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
Temperature range 5 to 330 K.		
<b>Entropy</b> 298.15 K, $S = 572.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
<b>Molecular Weight</b> 392.5374		
<b>Wiswesser Line Notation</b> /T6NTJ B1 B1 DQ F1 F1 AO *YU1U1UY-* AT6NTJ B1 B1 DQ F1 F1		
<b>Evaluation</b> B		
Empirical formula in 89LEB/KIP is given as C <sub>22</sub> H <sub>34</sub> N <sub>2</sub> O <sub>4</sub> .		

<b>C<sub>22</sub>H<sub>42</sub>O<sub>4</sub></b> (liq) Di(2-ethylhexyl)adipate	85OVC/MOS	<b>C<sub>22</sub>H<sub>44</sub>O<sub>2</sub></b> (c) Ethyl eicosanoate	34KIN/GAR
<b>Heat Capacity</b> 300 K. Temperature range 6 to 300 K.	$C_p = 701.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Phase Changes</b> c,II/c,I      396.65 K, $\beta\text{-}\alpha$ transition.	$\Delta H = 7781 \text{ J} \cdot \text{mol}^{-1}$
<b>Entropy</b> 300 K.	$S = 865 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	c,I/liq      313.51 K, $\alpha\text{-liq}$ transition.	$\Delta H = 15575 \text{ J} \cdot \text{mol}^{-1}$
<b>Phase Changes</b> c/liq      161.5 K Glass transition.		<b>Molecular Weight</b> 340.5884	
<b>Molecular Weight</b> 370.5714		<b>Wiswesser Line Notation</b> 4Y1&1OV4VO1Y1&4	
<b>Evaluation</b> A		<b>Evaluation</b> B	Data on the specific heats are given at or near the phase transitions.
<b>C<sub>22</sub>H<sub>42</sub>O<sub>4</sub></b> (liq) Di-n-hexyl sebacate	75PHI/WAL	<b>C<sub>22</sub>H<sub>44</sub>O<sub>2</sub></b> (c,II) Butyl octadecanoate	86KAL/JAC
<b>Heat Capacity</b> 303.15 K. Temperature range 303 to 393 K.	$C_p = 711 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Phase Changes</b> c,II/c,I      288.4 K, $\Delta H = 2220 \text{ J} \cdot \text{mol}^{-1}$	$\Delta S = 7.70 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Phase Changes</b> c/liq      274 K		c,I/liq      299.72 K, 299.72 K, $\Delta H = 37480 \text{ J} \cdot \text{mol}^{-1}$	$\Delta S = 121.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b> 370.5714		<b>Molecular Weight</b> 340.5884	
<b>Wiswesser Line Notation</b> 60V8VO6		<b>Wiswesser Line Notation</b> 17VO4	
<b>Evaluation</b> B		<b>Evaluation</b> A	
<b>C<sub>22</sub>H<sub>42</sub>O<sub>4</sub></b> (liq) Di-n-hexyl sebacate	76PHI/MAT	<b>C<sub>22</sub>H<sub>46</sub></b> (c,II) <i>n</i> -Docosane	31GAR/VAN
<b>Heat Capacity</b> 315 K. Temperature range 315 to 414 K.	$C_p = 732 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b> 299 K., Temperature range 280 to 347 K. Mean value 17 to 35 °C, $\beta$ -form.	$C_p = 563.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Molecular Weight</b> 370.5714		<b>Phase Changes</b> c,II/c,I      313.4 K, $\beta\text{-}\alpha$ transition.	$\Delta H = 8950 \text{ J} \cdot \text{mol}^{-1}$
<b>Wiswesser Line Notation</b> 60V8VO6		c,I/liq      317.0 K, $\Delta S = 28.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	$\Delta H = 15210 \text{ J} \cdot \text{mol}^{-1}$
<b>Evaluation</b> C		<b>Molecular Weight</b> 310.6054	$\Delta S = 48.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>C<sub>22</sub>H<sub>42</sub>O<sub>4</sub>Pb</b> (c,II)	78ADE/SIM	<b>Wiswesser Line Notation</b> 22H	
Lead(II) undecanoate		<b>Evaluation</b> B	
<b>Heat Capacity</b> 365 K. Temperature range 363 to 371 K. Data only graphically for c,III. Data also for c,I, and liquid.	$C_p = 894 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>C<sub>22</sub>H<sub>46</sub></b> (c) <i>n</i> -Docosane	55SCH/BUS
<b>Phase Changes</b> c,III/c,II      360.9 K, c,II and c,I, are mesophases.	$\Delta H = 50700 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 140 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	c,II/c,I      316.15 K, $\Delta H = 28870 \text{ J} \cdot \text{mol}^{-1}$	$\Delta S = 92.12 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c,II/c,I      377.0 K,	$\Delta H = 27500 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 73 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	c,I/liq      317.15 K, $\Delta H = 48953 \text{ J} \cdot \text{mol}^{-1}$	$\Delta S = 154.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c,I/liq      383.7 K,	$\Delta H = 1100 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 2.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b> 310.6054	
<b>Molecular Weight</b> 577.7714		<b>Wiswesser Line Notation</b> 22H	
<b>Wiswesser Line Notation</b> OV10 2 .PB		<b>Evaluation</b> B	
<b>Evaluation</b> C		<b>C<sub>22</sub>H<sub>46</sub></b> (liq) <i>n</i> -Docosane	69ATK/LAR
<b>C<sub>22</sub>H<sub>44</sub></b> (c)	69BOR/DAL	<b>Heat Capacity</b> 353 K., Temperature range 353 to 453 K. Equation only	$C_p = 739 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
1,1,10,10-Tetramethylcyclooctadecane		<b>Molecular Weight</b> 310.6054	
<b>Phase Changes</b> c/liq      359 K.	$\Delta H = 39581 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = -110 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Wiswesser Line Notation</b> 22H	
<b>Molecular Weight</b> 308.5896		<b>Evaluation</b> C	
<b>Wiswesser Line Notation</b> L-18-TJ A1 A1 J1 J1		<b>C<sub>22</sub>H<sub>46</sub></b> (c)	73COM
<b>Evaluation</b> B		<i>n</i> -Docosane	
<b>C<sub>22</sub>H<sub>44</sub>N<sub>2</sub>O<sub>2</sub></b> (c)	53WIL/DOL	<b>Phase Changes</b> c,II/c,I      316.25 K, c,I/liq      317.25 K,	$\Delta H = 28200 \text{ J} \cdot \text{mol}^{-1}$
N,N'-Di-n-hexylsebacamide			$\Delta S = 89.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Heat Capacity</b> 333-483 K.	$C_p = 1064.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	$\Delta H = 48952 \text{ J} \cdot \text{mol}^{-1}$	$\Delta S = 154.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Phase Changes</b> c/liq      415 K.	$\Delta H = 53680 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 129.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b> 310.6054	
<b>Molecular Weight</b> 368.6018		<b>Wiswesser Line Notation</b> 22H	
<b>Wiswesser Line Notation</b> 6MV8VM6		<b>Evaluation</b> B	
<b>Evaluation</b> C			

<b>C<sub>22</sub>H<sub>46</sub></b> (c)		79CLA/LET	<b>C<sub>22</sub>H<sub>50</sub>Br<sub>2</sub>N<sub>2</sub></b> (c,II)		74BUR/VER
<i>n</i> -Docosane			1,10-Bis(triethylammonium)decane dibromide		
<b>Phase Changes</b>			<b>Heat Capacity</b> 298 K, $C_p = 640.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
c,II/c,I	315.15 K,	$\Delta H = 29505 \text{ J} \cdot \text{mol}^{-1}$	Temperature range 273 to 373 K.		
		$\Delta S = 93.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
c,I/liq	316.05 K,	$\Delta H = 47837 \text{ J} \cdot \text{mol}^{-1}$	<b>Phase Changes</b>		
		$\Delta S = 151.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	c,II/c,I	444 K,	$\Delta H = 840 \text{ J} \cdot \text{mol}^{-1}$
<b>Molecular Weight</b> 310.6054					$\Delta S = 1.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b> 22H					Temperature range 437 to 452 K.
<b>Evaluation</b>	B		<b>Molecular Weight</b> 502.4584		
			<b>Wiswesser Line Notation</b> 2K2&2&10K2&2&2 E 2		
			<b>Evaluation</b>	B	
<b>C<sub>22</sub>H<sub>46</sub></b> (c)		81HOE	<b>C<sub>23</sub>H<sub>15</sub>N<sub>3</sub>O<sub>7</sub></b> (c)		79FAR/SHA
<i>n</i> -Docosane			1,2-Benzofluorene picric acid		
<b>Heat Capacity</b>	300 K, $C_p = 468 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Phase Changes</b>		
	Temperature range 300 to 500 K. $C_v = 1.48 \text{ J} \cdot \text{g}^{-1} \cdot \text{K}^{-1}$		c/liq	402.7 K,	$\Delta H = 45600 \text{ J} \cdot \text{mol}^{-1}$
<b>Molecular Weight</b> 310.6054					$\Delta S = 113.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b> 22H			<b>Molecular Weight</b> 445.3874		
<b>Evaluation</b>	B		<b>Wiswesser Line Notation</b> L D6 B566 CHJ &WNR BQ CNW ENW		
			<b>Evaluation</b>	B	
<b>C<sub>22</sub>H<sub>46</sub></b> (c)		91BAR/SCH	<b>C<sub>23</sub>H<sub>15</sub>N<sub>3</sub>O<sub>7</sub></b> (c)		79FAR/SHA
<i>n</i> -Docosane			2,3-Benzofluorene picric acid		
<b>Phase Changes</b>			<b>Phase Changes</b>		
c/liq	316.9 K,	$\Delta H = 78500 \text{ J} \cdot \text{mol}^{-1}$	c/liq	392.8 K,	$\Delta H = 33500 \text{ J} \cdot \text{mol}^{-1}$
<b>Molecular Weight</b> 310.6054					$\Delta S = 85.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b> 22H			<b>Molecular Weight</b> 445.3874		
<b>Evaluation</b>	A		<b>Wiswesser Line Notation</b> L D6 B656 LHJ &WNR BQ CNW ENW		
			<b>Evaluation</b>	B	
<b>C<sub>22</sub>H<sub>46</sub></b> (liq)		91CLA/LET	<b>C<sub>23</sub>H<sub>17</sub>N</b> (c)		84BYK/KIP
<i>n</i> -Docosane			2,4,6-Triphenylpyridine		
<b>Phase Changes</b>			<b>Heat Capacity</b> 298.15 K, $C_p = 358.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
c,II/c,I	315.5 K,	$\Delta H = 28605 \text{ J} \cdot \text{mol}^{-1}$	Temperature range 14 to 330 K.		
c,I/liq	316.8 K,	$\Delta H = 47801 \text{ J} \cdot \text{mol}^{-1}$	<b>Entropy</b> 298.15 K, $S = 371.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
<b>Molecular Weight</b> 310.6054			<b>Molecular Weight</b> 307.3940		
<b>Wiswesser Line Notation</b> 22H			<b>Wiswesser Line Notation</b> T6NJ BR DR FR		
<b>Evaluation</b>	A		<b>Evaluation</b>	A	
<b>C<sub>22</sub>H<sub>46</sub></b> (c)		91DOM/WYR	<b>C<sub>23</sub>H<sub>17</sub>N</b> (c)		85LEB/BYK
<i>n</i> -Docosane			2,4,6-Triphenylpyridine		
<b>Phase Changes</b>			<b>Heat Capacity</b> 298.15 K, $C_p = 358.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
c,II/c,I	314.45 K,	$\Delta H = 36350 \text{ J} \cdot \text{mol}^{-1}$	Temperature range 5 to 330 K.		
c,I/liq	315.20 K,	$\Delta H = 39760 \text{ J} \cdot \text{mol}^{-1}$	<b>Entropy</b> 298.15 K, $S = 371.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
<b>Molecular Weight</b> 310.6054			<b>Molecular Weight</b> 307.3940		
<b>Wiswesser Line Notation</b> 22H			<b>Wiswesser Line Notation</b> T6NJ BR DR FR		
<b>Evaluation</b>	A		<b>Evaluation</b>	A	
<b>C<sub>22</sub>H<sub>48</sub></b> (liq)		58SEL/AST	<b>C<sub>23</sub>H<sub>28</sub>N<sub>2</sub>O<sub>3</sub></b> (c)		88FAN/POE
Bis(cyclopentane)-2,2-dimethylbutane adduct			4-n-Pentanoyl-4- <i>n</i> '-hexanoyloxyazobenzene		
<b>Heat Capacity</b>	298.15 K, $C_p = 148.66 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Phase Changes</b>		
	Temperature range 14 to 300 K.		c,II/c,I	323.8 K,	$\Delta H = 4665 \text{ J} \cdot \text{mol}^{-1}$
<b>Entropy</b>	298.15 K, $S = 689.61 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$				$\Delta S = 14.41 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
	Does not include zero point entropy.		c,I/liq	365.1 K,	$\Delta H = 7117 \text{ J} \cdot \text{mol}^{-1}$
<b>Phase Changes</b>					$\Delta S = 19.49 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c,II/c,I	83.2 K,	$\Delta H = 4128.4 \text{ J} \cdot \text{mol}^{-1}$	Solid-smectic 3.		
		$\Delta S = 49.62 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	liq/liq	375.2 K,	$\Delta H = 3360 \text{ J} \cdot \text{mol}^{-1}$
c,I/liq	137.71 K,	$\Delta H = 2513.7 \text{ J} \cdot \text{mol}^{-1}$			$\Delta S = 8.954 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
		$\Delta S = 18.25 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Smectic 3-smectic 1.		
<b>Molecular Weight</b> 312.6212			liq/liq	377.5 K,	$\Delta H = 9569 \text{ J} \cdot \text{mol}^{-1}$
<b>Wiswesser Line Notation</b> L5TJ 2 &2X1&1&1					$\Delta S = 25.35 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Evaluation</b>	A		Smectic 1-smectic A.		
			liq/liq	401.2 K,	$\Delta H = 5812 \text{ J} \cdot \text{mol}^{-1}$
					$\Delta S = 14.49 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
			Smectic A-isotropic.		
			<b>Molecular Weight</b> 380.4858		
			<b>Wiswesser Line Notation</b> 5VOR DNUNR DV4		
			<b>Evaluation</b>	A	

<b>C<sub>23</sub>H<sub>28</sub>N<sub>2</sub>O<sub>3</sub></b> (c)	83FAN/POE	<b>C<sub>23</sub>H<sub>31</sub>NO</b> (gls)	83YOS/SOR3
4-Proponyl-4'- <i>n</i> -octanoyloxyazobenzene		N- <i>p</i> - <i>n</i> -Hexyloxybenzylidene- <i>p</i> '- <i>n</i> -butylaniline	
<b>Phase Changes</b>		<b>Heat Capacity</b> 300 K, $C_p = 595.14 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
liq/liq 353.75 K, $\Delta H = 42 \text{ J} \cdot \text{mol}^{-1}$		Temperature range 10 to 310 K.	
Smectic A-nematic.		<b>Entropy</b> 300 K, $S = 615.04 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
liq/liq 359.85 K, $\Delta H = 1423 \text{ J} \cdot \text{mol}^{-1}$		Residual entropy of the glassy state at 0 K was estimated to be 7.51	
Nematic-isotropic.		$\pm 0.63 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .	
c/liq 369.65 K, $\Delta H = 27489 \text{ J} \cdot \text{mol}^{-1}$		<b>Molecular Weight</b> 337.5040	
$\Delta S = 74.36 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Wiswesser Line Notation</b> 60R D1UNR D4	
Solid-smectic A.		<b>Evaluation</b> A	
liq/liq 416.15 K, $\Delta H = 5314 \text{ J} \cdot \text{mol}^{-1}$			
Smectic A-monotropic hexatic.			
liq/liq 416.65 K, $\Delta H = 1004 \text{ J} \cdot \text{mol}^{-1}$			
Hexatic-monotropic Smectic B.			
<b>Molecular Weight</b> 380.4858			
<b>Wiswesser Line Notation</b> 7VOR DNUNR DV2			
<b>Evaluation</b> A			
<b>C<sub>23</sub>H<sub>29</sub>N</b> (c)	83MAR/THO	<b>C<sub>23</sub>H<sub>44</sub>O<sub>5</sub></b> (c, $\alpha$ )	55WAR/VIC
Decylcyanobiphenyl		1-Aceto-3-stearin	
<b>Phase Changes</b>		<b>Heat Capacity</b> 298.2 K, $C_p = 938.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
liq/liq $\Delta H = 2830 \text{ J} \cdot \text{mol}^{-1}$		Temperature range -71 to 72 °C. Give experimental points and	
Smectic A - isotropic.		equations for 2 solid and liquid states. Sub-alpha form,	
c/liq $\Delta H = 36000 \text{ J} \cdot \text{mol}^{-1}$		$C_p = 0.4471 + 0.00133t \text{ cal} \cdot \text{g}^{-1} \cdot \text{C}^{-1}$ (-73 to -1 °C); alpha form, $C_p = 0.4513 + 0.00434t \text{ cal} \cdot \text{g}^{-1} \cdot \text{C}^{-1}$ , (-1 to 27 °C); liquid,	
Solid - smectic A.		$C_p = 0.2290 + 0.0068t \text{ cal} \cdot \text{g}^{-1} \cdot \text{C}^{-1}$ (57 to 87 °C).	
<b>Molecular Weight</b> 319.4888			
<b>Wiswesser Line Notation</b> NCR DR D10			
<b>Evaluation</b> D			
<b>C<sub>23</sub>H<sub>30</sub>O<sub>2</sub></b> (c)	72YOU/HAL	<b>C<sub>23</sub>H<sub>46</sub>O<sub>2</sub></b> (c)	36KIN/GAR
4-Methoxy-4'-octoxy- <i>trans</i> -stilbene		Methyl behenate	
<b>Phase Changes</b>		<b>Phase Changes</b>	
liq/liq 419 K, $\Delta H = 971 \text{ J} \cdot \text{mol}^{-1}$		c/liq 324.99 K, $\Delta H = 29199 \text{ J} \cdot \text{mol}^{-1}$	
$\Delta S = 2.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Molecular Weight</b> 354.6152	
Nematic-isotropic liquid transition.		<b>Wiswesser Line Notation</b> 21VO1	
c/liq 424 K, $\Delta H = 41925 \text{ J} \cdot \text{mol}^{-1}$		<b>Evaluation</b> B	
$\Delta S = 98.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
Crystal-isotropic liquid transition.			
<b>Molecular Weight</b> 338.4888			
<b>Wiswesser Line Notation</b> 8OR D1U1R DO1 -T			
<b>Evaluation</b> B			
<b>C<sub>23</sub>H<sub>31</sub>NO</b> (c)	83YOS/SOR3	<b>C<sub>23</sub>H<sub>48</sub></b> (c)	55SCH/BUS
N- <i>p</i> - <i>n</i> -Hexyloxybenzylidene- <i>p</i> '- <i>n</i> -butylaniline		<i>n</i> -Tricosane	
<b>Heat Capacity</b> 298.15 K, $C_p = 512.02 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Phase Changes</b>	
Temperature range 11 to 393 K.		c,II/c,I 313.65 K, $\Delta H = 21757 \text{ J} \cdot \text{mol}^{-1}$	
<b>Entropy</b> 298.15 K, $S = 537.57 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		$\Delta S = 69.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Phase Changes</b>		c,I/liq 320.65 K, $\Delta H = 53974 \text{ J} \cdot \text{mol}^{-1}$	
c/liq 306.60 K, $\Delta H = 23290 \text{ J} \cdot \text{mol}^{-1}$		$\Delta S = 168.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Solid-smectic G.			
liq/liq 331.56 K, $\Delta H = 804 \text{ J} \cdot \text{mol}^{-1}$		<b>Molecular Weight</b> 324.6322	
$\Delta S = 2.53 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Wiswesser Line Notation</b> 23H	
Smectic G-smectic B.		<b>Evaluation</b> B	
liq/liq 332.86 K, $\Delta H = 3370 \text{ J} \cdot \text{mol}^{-1}$			
$\Delta S = 10.14 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
Smectic B-smectic A.			
liq/liq 343.24 K, $\Delta H = 3200 \text{ J} \cdot \text{mol}^{-1}$			
$\Delta S = 9.37 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
Smectic A nematic.			
liq/liq 350.92 K, $\Delta H = 1890 \text{ J} \cdot \text{mol}^{-1}$			
$\Delta S = 5.37 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
Nematic-isotropic.			
<b>Molecular Weight</b> 337.5040			
<b>Wiswesser Line Notation</b> 60R D1UNR D4			
<b>Evaluation</b> A			
<b>C<sub>23</sub>H<sub>48</sub></b> (liq)	69ATK/LAR	<b>C<sub>23</sub>H<sub>48</sub></b> (c)	84SYU/TUM
<i>n</i> -Tricosane		<i>n</i> -Tricosane	
<b>Heat Capacity</b> 353 K, $C_p = 772 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Phase Changes</b>	
Temperature range 353 to 453 K.		c/liq 319.7 K, $\Delta H = 76700 \text{ J} \cdot \text{mol}^{-1}$	
<b>Molecular Weight</b> 324.6322		$\Delta S = 239.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Wiswesser Line Notation</b> 23H			
<b>Evaluation</b> C			
<b>C<sub>23</sub>H<sub>48</sub></b> (c)	84SYU/TUM		
<i>n</i> -Tricosane			
<b>Phase Changes</b>			
c/liq 319.7 K, $\Delta H = 76700 \text{ J} \cdot \text{mol}^{-1}$			
$\Delta S = 239.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
Relative error in determination $\pm 5\%$ .			
<b>Molecular Weight</b> 324.6322			
<b>Wiswesser Line Notation</b> 23H			
<b>Evaluation</b> C			

$C_{23}H_{48}$ (c)		91BAR/SCH		58WAL/BRO
<i>n</i> -Tricosane				
<b>Phase Changes</b>				
c,II/c,I	313.5 K,	$\Delta H = 21500 \text{ J} \cdot \text{mol}^{-1}$		
c,II/liq	320.8 K,	$\Delta H = 52250 \text{ J} \cdot \text{mol}^{-1}$		
<b>Molecular Weight</b>	324.6322			
<b>Wiswesser Line Notation</b>	23H			
<b>Evaluation</b>	A			
$C_{24}H_{18}$ (liq)				
<i>p</i> -Quaterphenyl				
<b>Heat Capacity</b>	370 K,		$C_p = 553.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
	Temperature range 200 to 600 °F.			
<b>Molecular Weight</b>	306.4062			
<b>Wiswesser Line Notation</b>	RR CR CR			
<b>Evaluation</b>	C			
$C_{24}H_{18}$ (c)				36PAR/TOD
1,3,5-Triphenylbenzene				
<b>Heat Capacity</b>	298.1 K,		$C_p = 358.32 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
	Temperature range 90 to 300 K.			
<b>Entropy</b>	298.1 K,		$S = 367.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
	Extrapolation below 90 K, 114.64 J · mol⁻¹ · K⁻¹.			
<b>Phase Changes</b>				
c,II/c,I	225 K,	$\Delta H = 444 \text{ J} \cdot \text{mol}^{-1}$		
		$\Delta S = 1.84 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
<b>Molecular Weight</b>	300.3588			
<b>Wiswesser Line Notation</b>	L666 B6 C6 D6 E6 6ABCDEF A&J			
<b>Evaluation</b>	A			
$C_{24}H_{12}N_4$ (c)		87ECO/BER		
Anthracene TCNB; Anthracene-1,2,4,5-tetracyanobenzene				
<b>Heat Capacity</b>				
Temperature range 140 to 240 K. Data given graphically.				
<b>Phase Changes</b>				
c,III/c,II	208.5 K			
c,II/c,I	211.5 K,	$\Delta H = 151 \text{ J} \cdot \text{mol}^{-1}$		
		$\Delta S = 0.71 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
Total enthalpy and entropy between 180 and 215 K.				
<b>Molecular Weight</b>	356.3856			
<b>Wiswesser Line Notation</b>	NCR BCN DCN ECN &L C666J			
<b>Evaluation</b>	B			
$(C_{24}H_{12}N_6)_n$ (c)		88LEB/BYK		
Polytriazine				
<b>Heat Capacity</b>	298.15 K,	$C_p = 395.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
Temperature range 0 to 330 K.				
<b>Entropy</b>	298.15 K,	$S = 451.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
<b>Molecular Weight</b>	384.3990			
<b>Wiswesser Line Notation</b>	/T6N CN ENJ BR DYUN*&* DR DYUN*&*			
	FR DYUN*&*/ 1/3			
<b>Evaluation</b>	A			
$C_{24}H_{15}N_3O_7$ (c)		79FAR/SHA		
Triphenylene picric acid				
<b>Phase Changes</b>				
c/liq	501.4 K,	$\Delta H = 46900 \text{ J} \cdot \text{mol}^{-1}$		
		$\Delta S = 93.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
<b>Molecular Weight</b>	457.3984			
<b>Wiswesser Line Notation</b>	L B6 H666J & WNR BQ CNW ENW			
<b>Evaluation</b>	B			
$C_{24}H_{15}N_3O_7$ (c)		79FAR/SHA		
1,2-Benzanthracene picric acid				
<b>Phase Changes</b>				
c/liq	414.3 K,	$\Delta H = 32200 \text{ J} \cdot \text{mol}^{-1}$		
		$\Delta S = 77.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
<b>Molecular Weight</b>	457.3984			
<b>Wiswesser Line Notation</b>	L D6 C666J & WNR BQ CNW ENW			
<b>Evaluation</b>	B			
$C_{24}H_{18}$ (c)				85SAI/ATA
<i>p</i> -Quaterphenyl				
<b>Heat Capacity</b>	298.15 K,		$C_p = 362.52 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 3 to 300 K.				
<b>Entropy</b>	298.15 K,		$S = 363.64 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Phase Changes</b>				
c,II/c,I	233.0 K,	$\Delta H = 414 \text{ J} \cdot \text{mol}^{-1}$		
		$\Delta S = 1.82 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
Transition region 180 to 270 K.				
<b>Molecular Weight</b>	306.4062			
<b>Wiswesser Line Notation</b>	RR DR DR			
<b>Evaluation</b>	A			

<b>C<sub>24</sub>H<sub>18</sub>FeO<sub>2</sub></b> (c)	81TOM/CUR	<b>(C<sub>24</sub>H<sub>22</sub>N<sub>2</sub>O<sub>2</sub>)<sub>n</sub></b> (c)	89CHE/JAN
1,1'-Dibenzoylferrocene		Poly(azomethine)	
<b>Heat Capacity</b> 298 K, $C_p = 466.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 300 K, $C_p = 453.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 293 to 353 K. Equation given.		Temperature range 230 to 620 K. $C_p(c) = 0.00070178T^2 + 1.0658T + 70.174 \text{ J/mol} \cdot \text{K}$ (230 to 270 K). $C_p(\text{liq}) = 0.8419T + 371.82 \text{ J/mol} \cdot \text{K}$ (350 to 600 K).	
<b>Phase Changes</b>		<b>Phase Changes</b>	
c/liq 379.7 K		liq/liq 534.7 K, $\Delta H = 20200 \text{ J} \cdot \text{mol}^{-1}$	
<b>Molecular Weight</b> 394.2520		Disordering transition. 50% crystallinity.	
<b>Wiswesser Line Notation</b> L5φJ AVR φ-FE- -φL5φJ AVR		<b>Molecular Weight</b> 370.4500	
<b>Evaluation</b> B		<b>Wiswesser Line Notation</b> /*NR B1 DO2OR C1 DNU1R D1*/	
		<b>Evaluation</b> B	
		Poly(azomethine) with one ethylene glycol spacer. $T(\text{glass}) = 350 \text{ K}$ .	
<b>C<sub>24</sub>H<sub>20</sub>BK</b> (c)	57DAV/STA	<b>C<sub>24</sub>H<sub>22</sub>N<sub>4</sub>O</b> (c)	73KAR/SAP
Potassium tetraphenyl boron		4,4'-Dianilino-3,3'-diaminodiphenyl oxide; 4,4'-Dianilino-3,3'-diaminodiphenyl ether	
<b>Heat Capacity</b> 298.15 K, $C_p = 418.23 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 300 K, $C_p = 458.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 20 to 298 K.		Temperature range 20 to 300 K.	
<b>Entropy</b> 298.15 K, $S = 440.16 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Entropy</b> 300 K, $S = 431.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Molecular Weight</b> 358.3303		<b>Molecular Weight</b> 382.4640	
<b>Wiswesser Line Notation</b> RBR&R&R &-K-		<b>Wiswesser Line Notation</b> RMR CZ DOR CZ DMR	
<b>Evaluation</b> B		<b>Evaluation</b> B	
<b>C<sub>24</sub>H<sub>20</sub>BRb</b> (c)	57DAV/STA	<b>C<sub>24</sub>H<sub>22</sub>O<sub>4</sub></b> (c)	84OZC/ASR
Rubidium tetraphenyl boron		4,4'-Dibutanoyloxydiphenyldiacetylene	
<b>Heat Capacity</b> 298.15 K, $C_p = 412.96 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Phase Changes</b>	
Temperature range 20 to 298 K.		c,V/c,IV 319 K, $\Delta H = 10400 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 32.51 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Entropy</b> 298.15 K, $S = 444.76 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		c,IV/ c,III 368 K, $\Delta H = 1510 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 4.100 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Molecular Weight</b> 404.6998		c,II/c,I 408 K, $\Delta H = 12.5 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 0.2929 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Wiswesser Line Notation</b> RBR&R&R &-RB-		c,II/c,II,c,II/c,I transitions combined.	
<b>Evaluation</b> B		c,I/liq 416 K, $\Delta H = 20100 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 48.28 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
		Solid-nematic.	
		<b>Molecular Weight</b> 374.4354	
		<b>Wiswesser Line Notation</b> 3VOR D1UU2UU1R DOV3	
		<b>Evaluation</b> A	
		Nematic-isotropic liquid phase change data also given: 453 K, $\Delta H = 1250 \text{ J} \cdot \text{mol}^{-1}$ , $\Delta S = 2.76 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .	
<b>C<sub>24</sub>H<sub>20</sub>CrI</b> (c)	72NIK/SAF	<b>C<sub>24</sub>H<sub>24</sub>BN</b> (c)	57DAV/STA
Bis(biphenyl)chromium iodide		Ammonium tetraphenyl boron	
<b>Heat Capacity</b> 298.15 K, $C_p = 137.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K, $C_p = 434.93 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 60 to 298.15 K.		Temperature range 20 to 298 K.	
<b>Entropy</b> 298.15 K, $S = 424.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Entropy</b> 298.15 K, $S = 457.31 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Molecular Weight</b> 487.3225		<b>Molecular Weight</b> 337.2703	
<b>Wiswesser Line Notation</b> L6φJA- AL6φJ φ-CR-φL6φJA- AL6φJ &I		<b>Wiswesser Line Notation</b> RBR&R&R &ZH	
<b>Evaluation</b> B		<b>Evaluation</b> B	
<b>C<sub>24</sub>H<sub>20</sub>Si</b> (c)	31SMI/AND2	<b>C<sub>24</sub>H<sub>26</sub>I<sub>3</sub>Fe<sub>2</sub></b> (c)	91NAK/NIS
Tetraphenylsilane		1',1'''-Diethylbiferrocenium triiodide	
<b>Heat Capacity</b> 298.5 K, $C_p = 395.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K, $C_p = 559.24 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
Temperature range 102 to 346 K. Value is unsmoothed experimental datum.		Temperature range 5 to 310 K.	
<b>Molecular Weight</b> 336.5075		<b>Entropy</b> 298.15 K, $S = 680.21 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Wiswesser Line Notation</b> R-SI-R&R&R		<b>Phase Changes</b>	
<b>Evaluation</b> B		c,II/c,I 67.2 K, $\Delta S = 2.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
		<b>Molecular Weight</b> 806.8769	
		<b>Wiswesser Line Notation</b>	
		<b>Evaluation</b> A	
<b>C<sub>24</sub>H<sub>20</sub>Sn</b> (c)	31SMI/AND2		
Tetraphenylstannane: Tetraphenyl tin			
<b>Heat Capacity</b> 298.5 K, $C_p = 426.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			
Temperature range 102 to 346 K. Value is unsmoothed experimental datum.			
<b>Molecular Weight</b> 427.1120			
<b>Wiswesser Line Notation</b> R-SN-R&R&R			
<b>Evaluation</b> B			

$C_{24}H_{28}O_2Si_3$ (liq)		81SHA/DZH	$C_{24}H_{32}O_3$ (liq)		85SHA/ZHR
1,1,1,5,5,5-Hexamethyl-3,3-diphenyltrisiloxane			4-n-Heptoxyphenyl-4'-n-butylbenzoate		
<b>Heat Capacity</b>	298 K,	$C_p = 648 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	312.14 K,	$C_p = 793.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Temperature range 12 to 300 K.			Temperature range 312 to 354 K. Unsmoothed experimental datum.		
<b>Entropy</b>	298 K,	$S = 769 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Phase Changes</b>		
<b>Phase Changes</b>			liq/liq	317.3 K,	$\Delta H = 490 \text{ J} \cdot \text{mol}^{-1}$
c/liq	270.49 K,	$\Delta H = 22753 \text{ J} \cdot \text{mol}^{-1}$			$\Delta S = 1.54 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
		$\Delta S = 84.12 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Molecular Weight</b>	368.5150	
<b>Molecular Weight</b>	432.7405		<b>Wiswesser Line Notation</b>	7OR DOVR D4	
<b>Wiswesser Line Notation</b>	1-SI-1&1&O-SI-R&R&O- SI-1&1&1		<b>Evaluation</b>	B	
<b>Evaluation</b>	A				
	$T(\text{glass}) = 178 \text{ K.}$				
$C_{24}H_{30}$ (c)		83KRA/BEC	$C_{24}H_{34}$ (liq)		60KAR/STR
1,1'-Diphenyl-1,1'-bicyclohexane			1,1-Diphenyldodecane		
<b>Heat Capacity</b>	298 K,	$C_p = 403.8 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p = 593.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
One temperature. $C_p$ given as 0.303 Cal.K <sup>-1</sup> .g <sup>-1</sup> .			Temperature range 10 to 300 K.		
<b>Molecular Weight</b>	318.5010		<b>Entropy</b>	298.15 K,	$S = 684.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Wiswesser Line Notation</b>	L6TJ AR A- AL6TJ AR		<b>Phase Changes</b>		
<b>Evaluation</b>	B		c,II/c,I	191 K,	$\Delta H = 1929 \text{ J} \cdot \text{mol}^{-1}$
					$\Delta S = 10.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
			c,I/liq	281.4 K,	$\Delta H = 38844 \text{ J} \cdot \text{mol}^{-1}$
					$\Delta S = 138.0 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
$C_{24}H_{30}N_2O_3$ (c)		88FAN/POE	<b>Molecular Weight</b>	322.5326	
4-n-Pentanoyl-4-n'-heptanoyloxyazobenzene			<b>Wiswesser Line Notation</b>	11YR&R	
<b>Phase Changes</b>			<b>Evaluation</b>	B	
c,II/c,I	347.1 K,	$\Delta H = 7510 \text{ J} \cdot \text{mol}^{-1}$	$C_{24}H_{34}$ (liq)		60KAR/STR
		$\Delta S = 21.64 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	1,1-Diphenyldodecane		
c,I/liq	371.4 K,	$\Delta H = 13272 \text{ J} \cdot \text{mol}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p = 593.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
		$\Delta S = 35.74 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	Temperature range 10 to 300 K.		
Solid-smectic I.			<b>Entropy</b>	298.15 K,	$S = 684.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
liq/liq	375.6 K,	$\Delta H = 8707 \text{ J} \cdot \text{mol}^{-1}$	<b>Phase Changes</b>		
		$\Delta S = 23.18 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	c,II/c,I	191 K,	$\Delta H = 1928 \text{ J} \cdot \text{mol}^{-1}$
Smectic 1-smectic A.					$\Delta S = 10.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
liq/liq	401.7 K,	$\Delta H = 6832 \text{ J} \cdot \text{mol}^{-1}$	c,I/liq	281.40 K,	$\Delta H = 38844 \text{ J} \cdot \text{mol}^{-1}$
		$\Delta S = 17.01 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$			$\Delta S = 138.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Smectic A-isotropic.			<b>Molecular Weight</b>	322.5326	
liq/liq	371.1 K,	$\Delta H = 4623 \text{ J} \cdot \text{mol}^{-1}$	<b>Wiswesser Line Notation</b>	11YR&R	
		$\Delta S = 12.46 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Evaluation</b>	A	
Smectic 1-smectic monotropic.			$C_{24}H_{38}O_4$ (liq)		69RAB/MAI
<b>Molecular Weight</b>	394.5126		Bis(2-ethylhexyl)phthalate		
<b>Wiswesser Line Notation</b>	6VOR DNUNR DV4		<b>Heat Capacity</b>	300 K,	$C_p = 669.4 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
<b>Evaluation</b>	A		Temperature range 80 to 360 K.		
$C_{24}H_{30}N_2O_3$ (c)		83FAN/POE	<b>Entropy</b>	300 K,	$S = 755.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
4-Propionyl-4-n-nonanoyloxyazobenzene			<b>Phase Changes</b>		
<b>Phase Changes</b>			c,II/c,I	182.5 K,	$\Delta H = 1038 \text{ J} \cdot \text{mol}^{-1}$
liq/liq	353.25 K,	$\Delta H = 42 \text{ J} \cdot \text{mol}^{-1}$			$\Delta S = 5.82 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
Hexatic-monotropic smectic B.			Glass phase transition.		
c/liq	367.15 K,	$\Delta H = 3017 \text{ J} \cdot \text{mol}^{-1}$	<b>Molecular Weight</b>	390.5618	
		$\Delta S = 8.22 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	<b>Wiswesser Line Notation</b>	4Y2&1OVR BVO1&Y4&2	
Solid-smectic A.			<b>Evaluation</b>	C	
liq/liq	361.05 K,	$\Delta H = 1757 \text{ J} \cdot \text{mol}^{-1}$	$C_{24}H_{38}O_4$ (c)		70MAR/R.
Smectic A-monotropic hexatic.			Di-(2-ethylhexyl) o-phthalate		
liq/liq	417.15 K,	$\Delta H = 7029 \text{ J} \cdot \text{mol}^{-1}$	<b>Molecular Weight</b>	390.5618	
Smectic A-isotropic			<b>Wiswesser Line Notation</b>	4Y2&1OVR BVO1Y2&4	
<b>Molecular Weight</b>	394.5126		<b>Evaluation</b>	A	
<b>Wiswesser Line Notation</b>	8VOR DNUNR DV2				
<b>Evaluation</b>	A		$T(\text{glass}) = 182.5 \text{ K.}$		
$C_{24}H_{31}N$ (c)		83MAR/THO	$C_{24}H_{38}O_4$ (liq)		85RAB/NO*
Undecylcyanobiphenyl			Di-(2-ethylhexyl) o-phthalate		
<b>Phase Changes</b>			<b>Heat Capacity</b>	298.15 K,	$C_p = 704.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
liq/liq		$\Delta H = 3800 \text{ J} \cdot \text{mol}^{-1}$	Temperature range 14 to 300 K.		
Smectic A - isotropic.			<b>Entropy</b>	298.15 K,	$S = 807.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$
c/liq		$\Delta H = 43200 \text{ J} \cdot \text{mol}^{-1}$	<b>Molecular Weight</b>	390.5618	
Solid - smectic A.			<b>Wiswesser Line Notation</b>	4Y2&1OVR BVO1Y2&4	
<b>Molecular Weight</b>	333.5156		<b>Evaluation</b>	A	
<b>Wiswesser Line Notation</b>	NCR NR D11		Data given for glassy state from 10 to 180 K. Glass transition temperature, $T(\text{glass}) = 182.5 \text{ K.}$		
<b>Evaluation</b>	D				

<b>C<sub>24</sub>H<sub>38</sub>O<sub>4</sub></b> (c)			<b>C<sub>24</sub>H<sub>46</sub></b> (c)			60KAR/STR4
Diethyl <i>o</i> -phthalate			1,1-Dicyclohexylidodecane			
<b>Heat Capacity</b> 300 K, Temperature range 60 to 360 K.	$C_p = 707.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K, Temperature range 10 to 300 K.	$C_p = 562.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
<b>Entropy</b> 300 K,	$S = 755.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Entropy</b> 298.15 K,	$S = 545.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
<b>Molecular Weight</b> 390.5618			<b>Phase Changes</b>			
<b>Wiswesser Line Notation</b> 80VR BVO8			c/liq	300.58 K,	$\Delta H = 44267 \text{ J} \cdot \text{mol}^{-1}$	
<b>Evaluation</b> B					$\Delta S = 147.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>C<sub>24</sub>H<sub>40</sub></b> (liq)		60KAR/STR	<b>Molecular Weight</b> 334.6274			
1-Phenyl-1-cyclohexylidodecane			<b>Wiswesser Line Notation</b> L6TJ AY11&- AL6TJ			
<b>Heat Capacity</b> 298.15 K,	$C_p = 611.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Evaluation</b> A			
<b>Phase Changes</b>						
c/liq	275.8 K,	$\Delta H = 35171 \text{ J} \cdot \text{mol}^{-1}$				
		$\Delta S = 127.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$				
<b>Molecular Weight</b> 328.5800						
<b>Wiswesser Line Notation</b> L6TJ AY11&R						
<b>Evaluation</b> B						
<b>C<sub>24</sub>H<sub>40</sub></b> (liq)		60KAR/STR4	<b>C<sub>24</sub>H<sub>46</sub>O<sub>4</sub>Cd</b> (c)			78KON/RUF
1-Phenyl-1-cyclohexylidodecane			Cadmium(II) <i>n</i> -dodecanoate			
<b>Heat Capacity</b> 298.15 K, Temperature range 10 to 300 K.	$C_p = 611.1 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Phase Changes</b>			
<b>Entropy</b> 298.15 K,	$S = 695.9 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		c/liq	367.7 K,	$\Delta H = 13000 \text{ J} \cdot \text{mol}^{-1}$	
<b>Phase Changes</b>					$\Delta S = 35 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
c,liq	275.84 K,	$\Delta H = 35171 \text{ J} \cdot \text{mol}^{-1}$				
		$\Delta S = 127.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$				
<b>Molecular Weight</b> 328.5800						
<b>Wiswesser Line Notation</b> L6TJ AY11&R						
<b>Evaluation</b> A						
<b>C<sub>24</sub>H<sub>46</sub></b> (c)		60KAR/STR	<b>C<sub>24</sub>H<sub>46</sub>HgO<sub>4</sub></b> (liq)			78ADE
2,11-Dicyclohexylidodecane			Mercuric dodecanoate; Mercuric laurate			
<b>Heat Capacity</b> 298.1 K,	$C_p = 557.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Heat Capacity</b> 420 K,	$C_p = 1089.2 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		
Temperature range 13 to 298 K. Values above 260 K show extensive premelting effects. Value given is corrected for premelting. Experimental value at 298.09 K is 3566 $\text{J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ .			Mean value, 413 to 430 K. Data for solid only graphically.			
<b>Entropy</b> 298.15 K,	$S = 545.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Phase Changes</b>			
<b>Phase Changes</b>			c/liq	394.2 K,	$\Delta H = 94800 \text{ J} \cdot \text{mol}^{-1}$	
c/liq	300.58 K,	$\Delta H = 44271 \text{ J} \cdot \text{mol}^{-1}$			$\Delta S = 240.5 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
		$\Delta S = 147.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$				
<b>Molecular Weight</b> 334.6274						
<b>Wiswesser Line Notation</b> L6TJ AY1&8Y1&- AL6TJ						
<b>Evaluation</b> B						
<b>C<sub>24</sub>H<sub>46</sub></b> (c)		60KAR/STR	<b>C<sub>24</sub>H<sub>46</sub>O<sub>4</sub>Pb</b> (c)			76ADE/SIM
1,1-Dicyclohexylidodecane			Lead(II) <i>n</i> -dodecanoate			
<b>Heat Capacity</b> 298.1 K,	$C_p = 562.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Phase Changes</b>			
Temperature range 10 to 300 K.			c/liq	365.2 K,	$\Delta H = 48300 \text{ J} \cdot \text{mol}^{-1}$	
<b>Entropy</b> 298.15 K,	$S = 546.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$				$\Delta S = 132 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
<b>Phase Changes</b>						
c/liq	300.58 K,	$\Delta H = 44267 \text{ J} \cdot \text{mol}^{-1}$				
		$\Delta S = 147.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$				
<b>Molecular Weight</b> 334.6274						
<b>Wiswesser Line Notation</b> L6TJ AY1&8Y1&- AL6TJ						
<b>Evaluation</b> B						
<b>C<sub>24</sub>H<sub>46</sub></b> (c)		60KAR/STR	<b>C<sub>24</sub>H<sub>46</sub>O<sub>4</sub>Zn</b> (c)			78KON/RUF
1,1-Dicyclohexylidodecane			Zinc(II) <i>n</i> -dodecanoate			
<b>Heat Capacity</b> 298.15 K Temperature range 10 to 300 K.	$C_p = 562.7 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		<b>Phase Changes</b>			
<b>Entropy</b> 298.15 K,	$S = 546.6 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$		c,II/c,I	372 K,	$\Delta H = 1000 \text{ J} \cdot \text{mol}^{-1}$	
<b>Phase Changes</b>			c,II/liq	407 K,	$\Delta H = 64000 \text{ J} \cdot \text{mol}^{-1}$	
c/liq	300.6 K,	$\Delta H = 44267 \text{ J} \cdot \text{mol}^{-1}$			$\Delta S = 157 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$	
		$\Delta S = 147.3 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$				
<b>Molecular Weight</b> 334.6274						
<b>Wiswesser Line Notation</b> L6TJ AY11&- AL6TJ						
<b>Evaluation</b> B						

<b>C<sub>24</sub>H<sub>48</sub>O<sub>2</sub></b> (c)	34KIN/GAR	<b>C<sub>24</sub>H<sub>50</sub></b> (liq)	84GRI/ANC
Ethyl docosanate; Ethyl behenate		<i>n</i> -Tetracosane	
<b>Phase Changes</b>		<b>Heat Capacity</b> 330.63 K, $C_p = 772.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
c,II/c,I 312.15 K, $\beta$ - $\alpha$ transition.	$\Delta H = 9578 \text{ J}\cdot\text{mol}^{-1}$	Temperature range 331 to 433 K. Unsmoothed experimental datum given as 2.281 kJ/kg·K.	
c,I/liq 320.95 K, $\alpha$ -liq transition.	$\Delta H = 19157 \text{ J}\cdot\text{mol}^{-1}$	<b>Molecular Weight</b> 338.6590	
<b>Molecular Weight</b> 338.6420		<b>Wiswesser Line Notation</b> 21VO2	
<b>Wiswesser Line Notation</b> 21VO2		<b>Evaluation</b> B	
<b>Evaluation</b> B	Data on the specific heats are given at or near the phase transitions.		
<b>C<sub>24</sub>H<sub>50</sub></b> (c)	49PAR/MOO	<b>C<sub>24</sub>H<sub>50</sub></b> (c)	84SYU/TUN
<i>n</i> -Tetracosane		<i>n</i> -Tetracosane	
<b>Heat Capacity</b> 298.15 K, $C_p = 730.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Phase Changes</b>	
Temperature range 80 to 300 K. Specific heat at 290 to 300 K rapidly increasing; possible premelting effects. Value may be high.		c/liq 322.0 K,	$\Delta H = 81750 \text{ J}\cdot\text{mol}^{-1}$
<b>Entropy</b> 298.15 K, $S = 651.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		$\Delta S = 253.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Extrapolation below 80 K, 160.5 $\text{J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ .		Relative error in determination $\pm 5\%$ .	
<b>Phase Changes</b>		<b>Molecular Weight</b> 338.6590	
Hump in specific heat curve at 250 to 265 K.		<b>Wiswesser Line Notation</b> 24H	
<b>Molecular Weight</b> 338.6590		<b>Evaluation</b> C	
<b>Wiswesser Line Notation</b> 24H			
<b>Evaluation</b> B( $C_p$ ), C(S)			
<b>C<sub>24</sub>H<sub>50</sub></b> (c)	55SCH/BUS	<b>C<sub>24</sub>H<sub>50</sub></b> (c)	91BAR/SCF
<i>n</i> -Tetracosane		<i>n</i> -Tetracosane	
<b>Phase Changes</b>		<b>Phase Changes</b>	
c,II/c,I 321.25 K, $\Delta H = 31296 \text{ J}\cdot\text{mol}^{-1}$		c,II/c,I 321.1 K, $\Delta H = 31500 \text{ J}\cdot\text{mol}^{-1}$	
c,I/liq 323.75 K, $\Delta H = 54894 \text{ J}\cdot\text{mol}^{-1}$		c,I/liq 323.5 K, $\Delta H = 54000 \text{ J}\cdot\text{mol}^{-1}$	
<b>Molecular Weight</b> 338.6590		<b>Molecular Weight</b> 338.6590	
<b>Wiswesser Line Notation</b> 24H		<b>Wiswesser Line Notation</b> 24H	
<b>Evaluation</b> B		<b>Evaluation</b> A	
<b>C<sub>24</sub>H<sub>50</sub></b> (liq)	69ATK/LAR	<b>C<sub>24</sub>H<sub>50</sub></b> (liq)	91CLA/LEI
<i>n</i> -Tetracosane		<i>n</i> -Tetracosane	
<b>Heat Capacity</b> 353 K, $C_p = 805 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Phase Changes</b>	
Temperature range 353 to 453 K. Equation only.		c,II/c,I 321.0 K, $\Delta H = 29155 \text{ J}\cdot\text{mol}^{-1}$	
<b>Molecular Weight</b> 338.6590		c,I/liq 323.8 K, $\Delta H = 54370 \text{ J}\cdot\text{mol}^{-1}$	
<b>Wiswesser Line Notation</b> 24H		<b>Molecular Weight</b> 338.6590	
<b>Evaluation</b> C		<b>Wiswesser Line Notation</b> 24H	
<b>C<sub>24</sub>H<sub>50</sub></b> (c)	73COM	<b>Evaluation</b> A	
<i>n</i> -Tetracosane			
<b>Phase Changes</b>		<b>C<sub>24</sub>H<sub>50</sub></b> (c)	91DOM/WYF
c,II/c,I 321.35 K, $\Delta H = 31296 \text{ J}\cdot\text{mol}^{-1}$		<i>n</i> -Tetracosane	
c,I/liq 323.85 K, $\Delta H = 54894 \text{ J}\cdot\text{mol}^{-1}$		<b>Phase Changes</b>	
<b>Molecular Weight</b> 338.6590		c,II/c,I 318.90 K, $\Delta H = 27680 \text{ J}\cdot\text{mol}^{-1}$	
<b>Wiswesser Line Notation</b> 24H		c,I/liq 323.65 K, $\Delta H = 57310 \text{ J}\cdot\text{mol}^{-1}$	
<b>Evaluation</b> B		<b>Molecular Weight</b> 338.6590	
<b>C<sub>24</sub>H<sub>50</sub></b> (c)	81HOE	<b>Wiswesser Line Notation</b> 24H	
<i>n</i> -Tetracosane		<b>Evaluation</b> A	
<b>Heat Capacity</b> 300 K, $C_p = 601 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>C<sub>24</sub>H<sub>51</sub>N</b> (liq)	93STE/CHIC
Temperature range 300 to 500 K. $C_v = 1.75 \text{ J}\cdot\text{g}^{-1}\cdot\text{K}^{-1}$ .		Tri- <i>n</i> -octylamine	
<b>Molecular Weight</b> 338.6590		<b>Heat Capacity</b> 298.15 K, $C_p = 750.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Wiswesser Line Notation</b> 24H		One temperature.	
<b>Evaluation</b> B		<b>Molecular Weight</b> 353.6736	
		<b>Wiswesser Line Notation</b> 8N8&8	
		<b>Evaluation</b> A	

$C_{24}H_{52}ClNO_4$ (c,IV)		73AND/GOR	$C_{24}H_{56}Cl_4N_2Zn$ (c)		88ZHA/YAN
Tetra- <i>n</i> -hexylammonium perchlorate			Bis(dodecylammonium)tetrachlorozincate (II)		
<b>Heat Capacity</b> 298.15 K,		$C_p = 744 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b> 298.15 K,	$C_p = 851.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 300 to 382 K.			Temperature range 280 to 500 K.		
<b>Phase Changes</b>			<b>Phase Changes</b>		
c,IV/c,III	333.57 K,	$\Delta H = 22990 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 68.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	c,II/c,I	364.3 K,	$\Delta H = 66790 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 183.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c,III/c,II	355.91 K,	$\Delta H = 5839 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 16.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	c,I/liq	435.1 K,	$\Delta H = 9120 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 20.96 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c,II/c,I	367.51 K,	$\Delta H = 2658 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 7.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
c,I/liq	379.18 K,	$\Delta H = 16350 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 43.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
<b>Molecular Weight</b> 454.1321			<b>Molecular Weight</b> 579.9118		
<b>Wiswesser Line Notation</b> 6K6&6&6 G-O4			<b>Wiswesser Line Notation</b> -12-ZH 2 .ZN G4		
<b>Evaluation</b>	B		<b>Evaluation</b>	A	
$C_{24}H_{56}CdCl_4$ (c)		89ZHA/YAN2	$(C_{25}H_{18}O_3S)_n$ (c)		92VAR/JIN
Bis(dodecylammonium)tetrachlorocadmite (II)			Poly[oxy-1,4-phenylene-sulfonyl-1,4-phenylene-oxy-1,4-phenylene-(1-methylidene)-1,4-phenylene]		
<b>Heat Capacity</b> 298.15 K,		$C_p = 979.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b> 300 K,	$C_p = 501.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 280 to 500 K.			Temperature range 150 to 620 K. $C_p(c) = \exp[-19.7795 + 15.3476(\ln T) - 3.17773(\ln T)^2 + 0.225473(\ln T)^3]$ (150 to 360 K); $C_p(\text{liq}) = 591.81 + 0.57224T$ (500 to 620 K).		
<b>Phase Changes</b>			<b>Molecular Weight</b> 398.4754		
c,II/c,I	332.4 K,	$\Delta H = 48350 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 145.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Wiswesser Line Notation</b> /*OR DSWR DOR D1R D*/		
<b>Molecular Weight</b> 598.9284			<b>Evaluation</b>	A	
<b>Wiswesser Line Notation</b> 12 ZH 2 .CD G4			$T(\text{glass}) = 458.2 \text{ K.}$		
<b>Evaluation</b>	A				
$C_{24}H_{56}CdCl_4N_2$ (c)		85RIC/CAV	$C_{25}H_{20}$ (c)		31SMI/AND
Bis(dodecylammonium)tetrachlorocadmite (II)			Tetraphenylmethane		
<b>Phase Changes</b>			<b>Heat Capacity</b> 298.5 K,	$C_p = 368.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
c,III/c,II	327 K,	$\Delta H = 40000 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 123 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	Temperature range 102 to 346 K. Value is unsmoothed experimental datum.		
c,II/c,I	331 K,	$\Delta H = 6500 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 21 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Molecular Weight</b> 320.4330		
<b>Molecular Weight</b> 626.9418			<b>Wiswesser Line Notation</b> RXR&R&R		
<b>Wiswesser Line Notation</b> -12-ZH 2 .CD G4			<b>Evaluation</b>	C	
<b>Evaluation</b>	B				
$C_{24}H_{56}Cl_4MnN_2$ (c)		87ZHA	$C_{25}H_{20}$ (c)		31SMI/AND2
Bis(dodecylammonium)tetrachloromanganate (II)			Tetraphenylmethane		
<b>Heat Capacity</b> 298.15 K,		$C_p = 869.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b> 298.5 K,	$C_p = 368.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 280 to 500 K.			Temperature range 102 to 346 K. Value is unsmoothed experimental datum.		
<b>Phase Changes</b>			<b>Molecular Weight</b> 320.4330		
c,III/c,II	330.6 K,	$\Delta H = 47780 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 144.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Wiswesser Line Notation</b> RXR&R&R		
c,II/c,I	334.5 K,	$\Delta H = 5960 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 17.82 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Evaluation</b>	C	
<b>Molecular Weight</b> 569.4698					
<b>Wiswesser Line Notation</b> -12-ZH 2 .MN G4					
<b>Evaluation</b>	A				
$C_{24}H_{56}Cl_4MnN_2$ (c)		88ZHA/YAN	$C_{25}H_{32}N_2O_3$ (c)		8FAN/POE
Bis(dodecylammonium)tetrachloromanganate (II)			4- <i>n</i> -Pentanoyl-4- <i>n</i> '-octanoyloxyazobenzene		
<b>Heat Capacity</b> 298.15 K,		$C_p = 869.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Phase Changes</b>		
Temperature range 280 to 500 K.			c,II/c,I	333 K,	$\Delta H = 5230 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 15.71 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Phase Changes</b>			Estimated values.		
c,III/c,II	330.6 K,	$\Delta H = 47780 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 144.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	c,I/liq	366.2 K,	$\Delta H = 16309 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 44.53 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c,II/c,I	334.5 K,	$\Delta H = 5960 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 17.82 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	Solid-smectic I.		
<b>Molecular Weight</b> 569.4698			liq/liq	370.1 K,	$\Delta H = 7263 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 19.63 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Wiswesser Line Notation</b> -12-ZH 2 .MN G4			Smectic 1-smectic A.		
<b>Evaluation</b>	A		liq/liq	403.8 K,	$\Delta H = 6941 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 17.19 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
 			Smectic A-isotropic.		
$C_{24}H_{56}Cl_4MnN_2$ (c)		88ZHA/YAN	liq/liq	359.4 K,	$\Delta H = 4682 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 13.03 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Bis(dodecylammonium)tetrachloromanganate (II)			Smectic 1-smectic monotropic.		
<b>Heat Capacity</b> 298.15 K,		$C_p = 869.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Molecular Weight</b> 408.5394		
Temperature range 280 to 500 K.			<b>Wiswesser Line Notation</b> 7VOR DNUNR DV4		
<b>Phase Changes</b>			<b>Evaluation</b>	A	
c,III/c,II	330.6 K,	$\Delta H = 47780 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 144.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
c,II/c,I	334.5 K,	$\Delta H = 5960 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 17.82 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
<b>Molecular Weight</b> 569.4698					
<b>Wiswesser Line Notation</b> -12-ZH 2 .MN G4					
<b>Evaluation</b>	A				

$C_{25}H_{32}N_2O_3$ (c)		83FAN/POE	$C_{25}H_{42}O_3$ (c)		76IKE/HAT
4-Propionyl-4'-n-decanoyloxyazobenzene			<i>p</i> -n-Octadecyloxybenzoic acid		
<b>Phase Changes</b>			<b>Heat Capacity</b>	320 K,	$C_p = 145 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c/liq	371.15 K,	$\Delta H = 32928 \text{ J}\cdot\text{mol}^{-1}$	Temperature range 320 to 420 K. Value is unsmoothed experimental datum for c,I phase.		
		$\Delta S = 88.72 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
Solid-smectic A.			<b>Phase Changes</b>		
<b>Molecular Weight</b>	408.5394		c,I/liq	379.5 K,	$\Delta H = 67300 \text{ J}\cdot\text{mol}^{-1}$
<b>Wiswesser Line Notation</b>	9VOR DNUNR DV2				$\Delta S = 177 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Evaluation</b>	A		c,I-smectic transition.		
Smectic A- <i>esotropic</i> ; smectic A-monotropic hexatic liquid phase change data also given: 417.65 K, $\Delta H = 7196 \text{ J}\cdot\text{mol}^{-1}$ ; 359.95 K, $\Delta H = 1088 \text{ J}\cdot\text{mol}^{-1}$ .			c,II/liq	371.0 K,	$\Delta H = 38900 \text{ J}\cdot\text{mol}^{-1}$
					$\Delta S = 105 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
$C_{25}H_{34}O_2$ (c)		79LEW/ENE	c,II-smectic transition.		
Norethindrone dimethylpropionate			c,III/liq	342.5 K	
<b>Phase Changes</b>			c,III-smectic transition temperature.		
c/liq	500 K,	$\Delta H = 37800 \text{ J}\cdot\text{mol}^{-1}$	liq/liq	408.5 K,	$\Delta H = 13300 \text{ J}\cdot\text{mol}^{-1}$
		$\Delta S = 75.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			$\Delta S = 33 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b>	366.5424		Smectic-isotropic liquid transition.		
<b>Wiswesser Line Notation</b>	L E5 B666 OV MUTJ E1 FVX		<b>Molecular Weight</b>	390.6050	
F1UU1			<b>Wiswesser Line Notation</b>	OVR DO18	
<b>Evaluation</b>	A		<b>Evaluation</b>	B	
$C_{25}H_{34}O_2S$ (c)		81CHR/RIC	$C_{25}H_{46}$ (liq)		62GOL/BEI
4-n-Pentylphenyl-4'-heptyloxythiobenzoate			<i>4</i> '-n-Heptyl- <i>m</i> -tertcyclohexyl		
<b>Heat Capacity</b>			<b>Heat Capacity</b>	311 K,	$C_p = 668.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
$C_p$ data given graphically only. Temperature range 90 to 370 K.			Temperatures 100, 200, 300 °F.		
<b>Phase Changes</b>			<b>Molecular Weight</b>	346.6384	
c,III/c,II	183.53 K,	$\Delta H = 1167 \text{ J}\cdot\text{mol}^{-1}$	<b>Wiswesser Line Notation</b>	L6TJ AAL6TJ C- AL6TJ D7	
		$\Delta S = 6.03 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Evaluation</b>	C	
c,II/c,I	272 K,	$\Delta H = 228 \text{ J}\cdot\text{mol}^{-1}$	$C_{25}H_{46}$ (liq)		63GUD/CAM
		$\Delta S = 0.88 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<i>4</i> -n-Heptylcyclohexyl		
c,I/nematic liq	325.87 K,	$\Delta H = 28514 \text{ J}\cdot\text{mol}^{-1}$	<b>Heat Capacity</b>	373 K,	$C_p = 752.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
		$\Delta S = 88.45 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	Temperature range 373 to 483 K.		
Nematic—isotropic liquid.			<b>Molecular Weight</b>	346.6384	
352.2 K,		$\Delta H = 2552 \text{ J}\cdot\text{mol}^{-1}$	<b>Wiswesser Line Notation</b>	L6TJ AAL6TJ X- AL6TJ D7	
		$\Delta S = 5.36 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Evaluation</b>	C	
<b>Molecular Weight</b>	398.6024		$C_{25}H_{46}O_6$ (c, $\alpha$ )		55WAR/VIC
<b>Wiswesser Line Notation</b>	7OR DVSR D5		1,2-Diaceto-3-stearin		
<b>Evaluation</b>	A		<b>Heat Capacity</b>	298.2 K,	$C_p = 904.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
$C_{25}H_{40}O_2Si_2$ (c)		79LEW/ENE	Temperature range -69 to 97 °C. Give experimental points and equations for 2 solid and liquid forms. Sub-alpha form $C_p = 0.4315 + 0.00104t \text{ cal}\cdot\text{g}^{-1}\cdot\text{C}^{-1}$ (-73 to -1 °C); alpha form $C_p = 0.4349 + 0.00213t \text{ cal}\cdot\text{g}^{-1}\cdot\text{C}^{-1}$ (-3 to 33 °C); liquid $C_p = 0.3790 + 0.00195t \text{ cal}\cdot\text{g}^{-1}\cdot\text{C}^{-1}$ (77 to 97 °C).		
Norethindrone pentamethyldisiloxyl ether			<b>Phase Changes</b>		
<b>Phase Changes</b>			c, $\alpha$ /liq	208.3 K,	$\Delta H = 45560 \text{ J}\cdot\text{mol}^{-1}$
c/liq	355 K,	$\Delta H = 22900 \text{ J}\cdot\text{mol}^{-1}$			$\Delta S = 218.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
		$\Delta S = 64.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Molecular Weight</b>	442.6348	
<b>Molecular Weight</b>	428.7608		<b>Wiswesser Line Notation</b>	17VO1YOV1&1OV1	
<b>Wiswesser Line Notation</b>	L E5 B666 OV MUTJ E1 F1UU1		<b>Evaluation</b>	C	
FSI1&1&O-SI-1&1&1			$C_{25}H_{48}O_4$ (liq)		83BAB/RAF
<b>Evaluation</b>	A		Bis(2-ethylhexyl)azalate; Bis(2-ethylhexyl)-nonadioate		
$C_{25}H_{41}DO_3$ (c,I)		77IKE/HAT	<b>Heat Capacity</b>	298.15 K,	$C_p = 799.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<i>p</i> -n-Octadecyloxybenzoic acid- <i>d</i>			Temperature range 13 to 335 K.		
<b>Heat Capacity</b>	302 K,	$C_p = 137 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Entropy</b>	298.15 K,	$S = 899.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 302 to 420 K. Value is unsmoothed experimental datum for c,I phase.			<b>Phase Changes</b>		
<b>Phase Changes</b>			c,gls/liq	160.0 K	
c,I/liq	374.2 K,	$\Delta H = 65700 \text{ J}\cdot\text{mol}^{-1}$	<b>Molecular Weight</b>	412.6518	
		$\Delta S = 176 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Wiswesser Line Notation</b>	4Y2&1OV7VO1Y2&4	
c,I-smectic transition.			<b>Evaluation</b>	A	
c,II/liq	365.7 K,	$\Delta H = 36500 \text{ J}\cdot\text{mol}^{-1}$			
		$\Delta S = 101 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
c,II-smectic transition.					
c,III/liq	340.2 K				
c,III-smectic transition temperature.					
liq/liq	402.5 K,	$\Delta H = 14400 \text{ J}\cdot\text{mol}^{-1}$			
		$\Delta S = 36 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
Smectic-isotropic liquid transition.					
<b>Molecular Weight</b>	392.6112				
<b>Wiswesser Line Notation</b>	QVR DO18 &1/H-2				
<b>Evaluation</b>	B				

<b>C<sub>25</sub>H<sub>52</sub></b> (c)	30PAR/HUF	<b>C<sub>26</sub>H<sub>12</sub>O<sub>6</sub></b> (c)	78DUN/RAH
<i>n</i> -Pentacosane		Pyrene-pyromellitic dianhydride charge transfer complex	
<b>Heat Capacity</b> 294.5 K, $C_p = 769.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K, $C_p = 435.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 91 to 295 K. Value is unsmoothed experimental datum.		Temperature range 5 to 300 K.	
<b>Entropy</b> 298.15 K, $S = 671.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Entropy</b> 298.15 K, $S = 464.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Extrapolation below 90 K, 205.9 $\text{J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ .		<b>Molecular Weight</b> 420.3772	
<b>Molecular Weight</b> 352.6858		<b>Wiswesser Line Notation</b> T C565 DVOV JVOVJ & L666 B6 2AB PJ	
<b>Wiswesser Line Notation</b> 25H		<b>Evaluation</b> A	
<b>Evaluation</b> B( $C_p$ ), C( $S$ )			
<b>C<sub>25</sub>H<sub>52</sub></b> (liq)	32SPA/THO	<b>C<sub>26</sub>H<sub>12</sub>O<sub>6</sub></b> (c)	80BOE/WES2
<i>n</i> -Pentacosane		Pyrene-pyromellitic dianhydride charge transfer complex	
<b>Heat Capacity</b> 333 K, $C_p = 815.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K, $C_p = 446.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 60 to 100 °C.		Temperature range 5 to 300 K.	
<b>Phase Changes</b>		<b>Entropy</b> 298.15 K, $S = 464.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
c/liq 326.6 K, $\Delta H = 79391 \text{ J}\cdot\text{mol}^{-1}$		<b>Phase Changes</b>	
		c,II/c,I 155 K, $\Delta H = 213.4 \text{ J}\cdot\text{mol}^{-1}$	
<b>Molecular Weight</b> 352.6858			$\Delta S = 1.34 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Wiswesser Line Notation</b> 25H		<b>Molecular Weight</b> 420.3772	
<b>Evaluation</b> B		<b>Wiswesser Line Notation</b> T C565 DVOV JVOVJ & L666 B6 2AB PJ	
		<b>Evaluation</b> A	
<b>C<sub>25</sub>H<sub>52</sub></b> (c)	55SCH/BUS	<b>C<sub>26</sub>H<sub>15</sub>N<sub>3</sub>O<sub>7</sub></b> (c)	79FAR/SHA
<i>n</i> -Pentacosane		Perylene picric acid	
<b>Phase Changes</b>		<b>Phase Changes</b>	
c,II/c,I 320.15 K, $\Delta H = 26066 \text{ J}\cdot\text{mol}^{-1}$		c/liq 495.0 K, $\Delta H = 42300 \text{ J}\cdot\text{mol}^{-1}$	
			$\Delta S = 85.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c,I/liq 326.65 K, $\Delta H = 57739 \text{ J}\cdot\text{mol}^{-1}$		<b>Molecular Weight</b> 481.4204	
		<b>Wiswesser Line Notation</b> L666 L6 K6 2AL TJ & WNR BQ CNW ENW	
<b>Molecular Weight</b> 352.6858		<b>Evaluation</b> B	
<b>Wiswesser Line Notation</b> 25H			
<b>Evaluation</b> B			
<b>C<sub>25</sub>H<sub>52</sub></b> (c)	79CLA/LET	<b>C<sub>26</sub>H<sub>15</sub>N<sub>3</sub>O<sub>7</sub></b> (c)	79FAR/SHA
<i>n</i> -Pentacosane		Benzo[a]pyrene picric acid	
<b>Phase Changes</b>		<b>Phase Changes</b>	
c,II/c,I 319.85 K, $\Delta H = 25235 \text{ J}\cdot\text{mol}^{-1}$		c/liq 475.5 K, $\Delta H = 39300 \text{ J}\cdot\text{mol}^{-1}$	
			$\Delta S = 82.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c,I/liq 326.25 K, $\Delta H = 56605 \text{ J}\cdot\text{mol}^{-1}$		<b>Molecular Weight</b> 481.4204	
		<b>Wiswesser Line Notation</b> L D6 B6666 2AB TJ & WNR BQ CNW ENW	
<b>Molecular Weight</b> 352.6858		<b>Evaluation</b> B	
<b>Wiswesser Line Notation</b> 25H			
<b>Evaluation</b> B			
<b>C<sub>25</sub>H<sub>52</sub></b> (c)	91BAR/SCH	<b>C<sub>26</sub>H<sub>17</sub>N<sub>3</sub>O<sub>7</sub></b> (c)	79FAR/SHA
<i>n</i> -Pentacosane		$\beta,\beta'$ -Binaphthyl picric acid	
<b>Phase Changes</b>		<b>Phase Changes</b>	
c,II/c,I 320.0 K, $\Delta H = 26500 \text{ J}\cdot\text{mol}^{-1}$		c/liq 464.2 K, $\Delta H = 41400 \text{ J}\cdot\text{mol}^{-1}$	
c,I/liq 326.7 K, $\Delta H = 56750 \text{ J}\cdot\text{mol}^{-1}$			$\Delta S = 89.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b> 352.6858		<b>Molecular Weight</b> 483.4362	
<b>Wiswesser Line Notation</b> 25H		<b>Wiswesser Line Notation</b> L66J A- AL66J & WNR BQ CNW ENW	
<b>Evaluation</b> A		<b>Evaluation</b> B	
<b>C<sub>26</sub>H<sub>12</sub>N<sub>4</sub></b> (c)	76CLA/WOR	<b>C<sub>26</sub>H<sub>20</sub></b> (c)	31SMI/AND
1,2,4,5-Tetracyanobenzene-pyrene complex		Tetraphenylethylene	
<b>Heat Capacity</b> 298.15 K, $C_p = 432.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 298.5 K, $C_p = 387.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 13 to 295 K.		Temperature range 102 to 346 K. Value is unsmoothed experimental datum.	
<b>Entropy</b> 298.15 K, $S = 466.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Molecular Weight</b> 332.4448	
<b>Phase Changes</b>		<b>Wiswesser Line Notation</b> RYR&UYR&R	
Broad transition in 220 to 250 K. $\Delta H$ estimated as 2150 $\text{J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ . $\Delta S = 9.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ .		<b>Evaluation</b> C	
<b>Molecular Weight</b> 380.4076			
<b>Wiswesser Line Notation</b> L666 B6 2AB PJ & NCR BCN DCN ECN			
<b>Evaluation</b> A			
<b>C<sub>26</sub>H<sub>20</sub>N<sub>6</sub>O</b> (c)	84KAR/SHV	<b>C<sub>26</sub>H<sub>20</sub>N<sub>6</sub>O</b> (c)	
Bis-(o-aminophenyl)-2,2'-dibenzimidazole oxide			
<b>Heat Capacity</b> 298.15 K, $C_p = 471.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K, $C_p = 471.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 60 to 298 K.			
<b>Entropy</b> 298.15 K, $S = 426.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Molecular Weight</b> 432.4838	
<b>Molecular Weight</b> 432.4838		<b>Wiswesser Line Notation</b> ZR B- CT56 BM DNJ H- 2 O	
<b>Wiswesser Line Notation</b> ZR B- CT56 BM DNJ H- 2 O		<b>Evaluation</b> B	
<b>Evaluation</b> B			

$C_{26}H_{20}Sn$ (c)		85CAR/LAY	$C_{26}H_{26}O_4$ (c)		84OZC/ASF
Triphenyl phenylethynyl tin			4,4'-Dipentanoyloxydiphenyldiacetylene		
<b>Heat Capacity</b> 298.15 K,	$C_p = 447.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Phase Changes</b>		
One temperature. $C_p$ given as 0.992 $\text{J}\cdot\text{K}^{-1}\cdot\text{g}^{-1}$ .			c,III/c,II 272 K		$\Delta H = 1240 \text{ J}\cdot\text{mol}^{-1}$
<b>Molecular Weight</b> 451.1340			c,II/c,I 290 K,		$\Delta S = 4.309 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Wiswesser Line Notation</b> R-SN-R&R&IUU1R			c,II/c,II, c,II/c,I transitions combined.		
<b>Evaluation</b> B			c,I/liq 405 K,		$\Delta H = 24700 \text{ J}\cdot\text{mol}^{-1}$
$C_{26}H_{22}$ (c)		31SMI/AND	Solid-nematic.		$\Delta S = 61.04 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
1,1,1,2-Tetraphenylethane			liq/liq 434 K,		$\Delta H = 2300 \text{ J}\cdot\text{mol}^{-1}$
<b>Heat Capacity</b> 298.5 K,	$C_p = 395.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$				$\Delta S = 3.390 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 102 to 346 K. Value is unsmoothed experimental datum.					Nematic—isotropic liquid transition.
<b>Molecular Weight</b> 334.4607					<b>Molecular Weight</b> 402.4891
<b>Wiswesser Line Notation</b> RXR&R&1R					<b>Wiswesser Line Notation</b> 4VOR D1UU2UU1R DOV4
<b>Evaluation</b> C					<b>Evaluation</b> A
$C_{26}H_{22}$ (c)		31SMI/AND	$C_{26}H_{34}$ (c)		83KRA/DEC
1,1,2,2-Tetraphenylethane			1,1'-Diphenyl-1,1'-bicyclooctane		
<b>Heat Capacity</b> 298.5 K,	$C_p = 399.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 298 K,	$C_p = 453.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 102 to 346 K. Value is unsmoothed experimental datum.			One temperature. $C_p$ given as 0.313 cal. $\text{K}^{-1}\cdot\text{g}^{-1}$ .		
<b>Molecular Weight</b> 334.4607			<b>Molecular Weight</b> 346.5546		
<b>Wiswesser Line Notation</b> RYR&YR&R			<b>Wiswesser Line Notation</b> L8TJ AR A- AL8TJ AR		
<b>Evaluation</b> C			<b>Evaluation</b> B		
$(C_{26}H_{26}N_2O_3)_n$ (c)		89CHE/JAN	$C_{26}H_{34}N_2O_3$ (c)		88FAN/PO1
Poly(azomethine)			4-Pentanoyl-4- <i>n</i> '-nanoyloxyazobenzene		
<b>Heat Capacity</b> 300 K,	$C_p = 521.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Phase Changes</b>		
Temperature range 230 to 620 K. $C_p(c) = 0.0015529T^2 + 0.87083T + 120.76 \text{ J}\cdot\text{mol}\cdot\text{K}$ (230 to 250 K). $C_p(\text{liq}) = 0.9086T + 439.73 \text{ J}\cdot\text{mol}\cdot\text{K}$ (318 to 620 K).			c,II/c,I 352.2 K,		$\Delta H = 4330 \text{ J}\cdot\text{mol}^{-1}$
<b>Phase Changes</b>			c,I/liq 367.2 K,		$\Delta S = 12.30 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
liq/liq 439.8 K, $\Delta H = 13000 \text{ J}\cdot\text{mol}^{-1}$			Solid-smectic A.		$\Delta H = 24807 \text{ J}\cdot\text{mol}^{-1}$
Disordering transition. 26.9% crystallinity.			liq/liq 404.3 K,		$\Delta S = 67.559 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
liq/liq 566.4 K, $\Delta H = 2000 \text{ J}\cdot\text{mol}^{-1}$			Smectic A-isotropic.		$\Delta H = 7569 \text{ J}\cdot\text{mol}^{-1}$
Isotropic transition.			liq/liq 366.8 K,		$\Delta S = 18.72 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b> 414.5030					Smectic A-Smectic monotropic 1.
<b>Wiswesser Line Notation</b> /*NR B1 DO2O2OR C1 DNU1R D1*/					<b>Molecular Weight</b> 422.5662
<b>Evaluation</b> B					<b>Wiswesser Line Notation</b> 8VOR DNUNR DV4
Poly(azomethine) with two ethylene glycol spacers. $T(\text{glass}) = 318 \text{ K}$ .			<b>Evaluation</b> A		
$C_{26}H_{26}OSi_2$ (c)		86DZH/KUL	$C_{26}H_{34}N_2O_3$ (c)		83FAN/PO
1,3-Dimethyl-1,1,3,3-tetraphenylidisiloxane			4-Propionyl-4- <i>n</i> -undecanoyloxyazobenzene		
<b>Heat Capacity</b> 298.15 K,	$C_p = 503.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Phase Changes</b>		
Temperature range 4 to 300 K. $C_p(c) = 125.6 + 0.394T + 3.94 \times 10^{-3} T^2$ (80 to 150 K); $C_p(c) = 133.78 + 0.6826T + 2.0758 \times 10^{-3} T^2$ (170 to 290 K).			c/liq 370.65 K,		$\Delta H = 37489 \text{ J}\cdot\text{mol}^{-1}$
<b>Entropy</b> 298.15 K,	$S = 570.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$				$\Delta S = 101.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Phase Changes</b>			Solid-smectic A.		
c/liq 321.95 K, $\Delta H = 26577 \text{ J}\cdot\text{mol}^{-1}$			liq/liq 416.65 K,		$\Delta H = 7573 \text{ J}\cdot\text{mol}^{-1}$
<b>Molecular Weight</b> 410.6618			Smectic A-isotropic liquid transition.		
<b>Wiswesser Line Notation</b> 1-SI-R&R&O-SI-1&R&R			<b>Molecular Weight</b> 422.5662		
<b>Evaluation</b> A			<b>Wiswesser Line Notation</b> 10VOR DNUNR DV2		
$C_{26}H_{26}O_3Si_3$ (c)		82KUL/DZH	<b>Evaluation</b> A		
Dimethyltetraphenylcyclotrisiloxane			$C_{26}H_{38}$ (c)		83KRA/BE
<b>Heat Capacity</b> 298.15 K,	$C_p = 571.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		2,3-Dimethyl-2,3-bis(4- <i>tert</i> -butylphenyl)butane		
Temperature range 4.7 to 300 K. Data given graphically except for data at 298.15 K.			<b>Heat Capacity</b> 298 K,	$C_p = 529.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Entropy</b> 298.15 K,	$S = 630.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		One temperature. $C_p$ given as 0.361 cal. $\text{K}^{-1}\cdot\text{g}^{-1}$ .		
<b>Phase Changes</b>			<b>Molecular Weight</b> 350.5862		
c,I/liq 361.06 K,	$\Delta H = 28200 \text{ J}\cdot\text{mol}^{-1}$		<b>Wiswesser Line Notation</b> 1XR&R DX1&1&1 &X1&1&R DX1&1&1		
	$\Delta S = 78.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Evaluation</b> B		
<b>Molecular Weight</b> 470.7461					
<b>Wiswesser Line Notation</b> T6-SI-O-SI-O-SI-OTJ A1 A1 CR CR ER ER					
<b>Evaluation</b> B					

$C_{26}H_{38}N_2O_3$ (c,I)		79RAC/NGU	$C_{26}H_{54}$ (c,II)		31GAR/VAN
4,4'-Bis( <i>n</i> -heptyloxy)azoxybenzene			<i>n</i> -Hexacosane		
<b>Heat Capacity</b> 300 K,	$C_p = 480 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 304 K,	$C_p = 677.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 90 to 420 K. Data graphically only.			Temperature range 295 to 358 K. Mean value 22–40 °C, $\beta$ -form.		
<b>Phase Changes</b>			<b>Phase Changes</b>		
c,I/liq	347.75 K,	$\Delta H = 27450 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 78.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	c,II/c,I	323.3 K,	$\Delta H = 35020 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 108.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Melting of stable crystal phase.			$\beta$ - $\alpha$ transition.		
liq/liq	368.2 K,	$\Delta H = 545 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 1.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	c,I/liq	329.3 K,	$\Delta H = 58743 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 178.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Smectic-nematic transition.					
liq/liq	397.25 K,	$\Delta H = 830 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 2.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Molecular Weight</b> 366.7126		
Nematic-isotropic transition.			<b>Wiswesser Line Notation</b> 26H		
<b>Molecular Weight</b> 426.5978			<b>Evaluation</b> B		
<b>Wiswesser Line Notation</b> 7OR DNUNO&R DO7					
<b>Evaluation</b> B					
$C_{26}H_{50}O_4$ (liq)		76PHI/MAT	$C_{26}H_{54}$ (c)		55SCH/BUS
Di- <i>n</i> -octyl sebacate			<i>n</i> -Hexacosane		
<b>Heat Capacity</b> 318 K,	$C_p = 849 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Phase Changes</b>		
Temperature range 318 to 393 K.			c,II/c,I	326.45 K,	$\Delta H = 32217 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 98.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b> 426.6786			c,I/liq	329.45 K,	$\Delta H = 59496 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 180.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Wiswesser Line Notation</b> 8OV8VO8					
<b>Evaluation</b> C			<b>Molecular Weight</b> 366.7126		
			<b>Wiswesser Line Notation</b> 26H		
			<b>Evaluation</b> B		
$C_{26}H_{50}O_4Pb$ (c,II)		78ADE/SIM	$C_{26}H_{54}$ (liq)		69ATK/LAR
Lead (II) tridecanoate			<i>n</i> -Hexacosane		
<b>Heat Capacity</b> 375 K,	$C_p = 1230 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 353 K,	$C_p = 870 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 371 to 377 K. Data only graphically for c,III. Also data for liquid.			Temperature range 353 to 453 K. Equation only.		
<b>Phase Changes</b>			<b>Molecular Weight</b> 366.7126		
c,III/c,II	368.7 K,	$\Delta H = 58400 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 158 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Wiswesser Line Notation</b> 26H		
c,II and c,I are mesophases.			<b>Evaluation</b> C		
c,II/c,I	381.5 K,	$\Delta H = 38800 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 102 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
<b>Molecular Weight</b> 633.8786					
<b>Wiswesser Line Notation</b> OV12 2 .PB					
<b>Evaluation</b> C					
$C_{26}H_{52}$ (c)		69BOR/DAL	$C_{26}H_{54}$ (c)		73COM
1,1,4,4,10,10,13,13-Octamethyl-cyclooctadecane			<i>n</i> -Hexacosane		
<b>Phase Changes</b>			<b>Phase Changes</b>		
c,II/c,I	427 K,	$\Delta H = 6736 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 15.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	c,II/c,I	326.55 K,	$\Delta H = 34225 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 104.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c/liq	438 K,	$\Delta H = 20167 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 46.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	c,I/liq	329.55 K,	$\Delta H = 59496 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 180.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b> 364.6968					
<b>Wiswesser Line Notation</b> L-18-TJ A1 A1 D1 D1 J1 J1 M1 M1			<b>Molecular Weight</b> 366.7126		
<b>Evaluation</b> B			<b>Wiswesser Line Notation</b> 26H		
			<b>Evaluation</b> B		
$C_{26}H_{52}O_2$ (c)		34KIN/GAR	$C_{26}H_{54}$ (c,II)		76AND/MAR
Ethyl tetracosanate			<i>n</i> -Hexacosane		
<b>Phase Changes</b>			<b>Heat Capacity</b> 298.15 K,	$C_p = 661.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
c,II/c,I	317.65 K,	$\Delta H = 11203 \text{ J}\cdot\text{mol}^{-1}$	Temperature range 10 to 360 K..		
$\beta$ - $\alpha$ transition.			<b>Entropy</b> 298.15 K,	$S = 667.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
c,I/liq	327.35 K,	$\Delta H = 22938 \text{ J}\cdot\text{mol}^{-1}$	<b>Phase Changes</b>		
$\alpha$ -liq transition.			c,II/c,I	325.5 K,	$\Delta H = 33420 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 102.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b> 396.6956			c,I/liq	329.25 K,	$\Delta H = 60700 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 184.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Wiswesser Line Notation</b> 23VO2					
<b>Evaluation</b> B			<b>Molecular Weight</b> 366.7126		
Data on the specific heats are given at or near the phase transitions.			<b>Wiswesser Line Notation</b> 26H		
			<b>Evaluation</b> A		

$C_{26}H_{54}$ (c) <i>n</i> -Hexacosane Phase Changes c,II/c,I 325.6 K, c,I/liq 329.2 K, Molecular Weight 366.7126 Wiswesser Line Notation 26H Evaluation A	91BAR/SCH $\Delta H = 33500 \text{ J}\cdot\text{mol}^{-1}$ $\Delta H = 60000 \text{ J}\cdot\text{mol}^{-1}$	$C_{27}H_{38}O_2$ (c) 4-Methoxy-4'-dodecoxy- <i>trans</i> -stilbene Phase Changes liq/liq 409 K, Smectic-liquid transition. c/liq 415 K, Crystal-isotropic liquid transition. Molecular Weight 394.5960 Wiswesser Line Notation 12OR D1U1R DO1 -T Evaluation B	72YOU/HAI $\Delta H = 21880 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 53.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ $\Delta H = 58660 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 141.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
$C_{26}H_{54}$ (liq) <i>n</i> -Hexacosane Phase Changes c,II/c,I 325.8 K, c,I/liq 329.6 K, Molecular Weight 366.7126 Wiswesser Line Notation 26H Evaluation A	91CLA/LET $\Delta H = 32820 \text{ J}\cdot\text{mol}^{-1}$ $\Delta H = 59790 \text{ J}\cdot\text{mol}^{-1}$	$C_{27}H_{38}O_2$ (c) Norethindrone heptoate Phase Changes c/liq 340 K, Molecular Weight 394.5960 Wiswesser Line Notation L E5 B666 OV MUTJ E1 FV6 F1UU1 Evaluation A	79LEW/EN: $\Delta H = 21600 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 63.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
$C_{26}H_{54}$ (c) <i>n</i> -Hexacosane Phase Changes c,II/c,I 324.40 K, c,I/liq 329.18 K, Molecular Weight 366.7126 Wiswesser Line Notation 26H Evaluation A	91DOM/WYR $\Delta H = 30360 \text{ J}\cdot\text{mol}^{-1}$ $\Delta H = 63920 \text{ J}\cdot\text{mol}^{-1}$	$C_{27}H_{46}O$ (c) Cholesterol Phase Changes c,II/c,I 304.8 K, Molecular Weight 386.6598 Wiswesser Line Notation L E5 B666 LUTJ A1 E1 FY1&3Y1&1 OQ -A&B1 -B&AEFO Evaluation A	88PET/TS: $\Delta H = 2500 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 8.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
$C_{27}H_{39}O_2$ (c) Norethindrone benzoate Phase Changes c/liq 531 K, Molecular Weight 386.5328 Wiswesser Line Notation L E5 B666 OV MUTJ E1 F1UU1 FVR Evaluation A	79LEW/ENE $\Delta H = 41500 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 78.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	$C_{27}H_{48}$ (liq) 11-Phenyleicosane Heat Capacity 300 K, $C_p = 765.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Temperature range 80 to 300 K. Entropy 298.15 K, $S = 867.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Extrapolation below 80 K, 172.0 $\text{J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ .	49PAR/MO:
$C_{27}H_{36}N_2O_3$ (c) 4- <i>n</i> -Pentanoyl-4'- <i>n</i> -decanoxyloxyazobenzene Phase Changes c,II/c,I 338.2 K, $\Delta H = 4310 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 12.74 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ c,I/liq 368.6 K, $\Delta H = 28752 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 78.01 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Solid-smectic A. liq/liq 405.2 K, $\Delta H = 8000 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 19.74 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Smectic A-isotropic. liq/liq 364.7 K, $\Delta H = 5406 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 14.82 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Smectic A-smectic monotropic I. Molecular Weight 436.5930 Wiswesser Line Notation 9VOR DNUNR DV4 Evaluation A	88FAN/POE $\Delta H = 38074 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 101.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	Phase Changes c/liq 294.3 K, $\Delta H = 64772 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 220.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Molecular Weight 372.6762 Wiswesser Line Notation 10Y10&R Evaluation B( $C_p$ ),C(S)	63GUD/CA: $C_p = 820.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
$C_{27}H_{36}N_2O_3$ (c) 4-Propionyl-4'- <i>n</i> -dodecanoxyloxyazobenzene Phase Changes c/liq 373.65 K, $\Delta H = 38074 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 101.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Solid-smectic A. liq/liq 416.15 K, $\Delta H = 7866 \text{ J}\cdot\text{mol}^{-1}$ Smectic A-isotropic liquid transition. Molecular Weight 436.5930 Wiswesser Line Notation 11VOR DNUNR DV2 Evaluation A	83FAN/POE $\Delta H = 38074 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 101.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	$C_{27}H_{50}O_6$ (liq) Triocantanoin; Glyceryl triocanoate Heat Capacity 338 K, $C_p = 920 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Temperature range 338 to 413 K. Molecular Weight 470.6884 Wiswesser Line Notation 7VO1 YOV7&1OV7 Evaluation C	76PHI/MA: $C_p = 920 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$

$C_{27}H_{54}$ (liq)		49PAR/MOO	$C_{27}H_{56}$ (c)		55SCH/BUS
11-Cyclohexyleicosane			<i>n</i> -Heptacosane		
<b>Heat Capacity</b>	298.15 K, Temperature range 80 to 300 K.	$C_p = 787.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Phase Changes</b>		
<b>Entropy</b>	298.15 K, Extrapolation below 80 K, 174.9 $\text{J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ .	$S = 844.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	c,II/c,I	320.25 K, $\Delta H = 28953 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 90.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Phase Changes</b>	c/liq	269.9 K, $\Delta H = 48693 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 180.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	c,I/liq	331.95 K, $\Delta H = 60417 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 182.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Molecular Weight</b>	378.7236		<b>Molecular Weight</b>	380.7394	
<b>Wiswesser Line Notation</b>	L6TJ AY10&10		<b>Wiswesser Line Notation</b>	27H	
<b>Evaluation</b>	B( $C_p$ ),C( $S$ )		<b>Evaluation</b>	B	
$C_{27}H_{54}N_3AsS_6$ (c)		89AIR/DES	$C_{28}H_{15}N_3O_7$ (c)		79FAR/SHA
Tris(di- <i>n</i> -butyldithiocarbamato)arsenic(III)			<i>o</i> -Phenylenepyrene picric acid		
<b>Heat Capacity</b>	298.15 K, Temperature range 385 to 395 K.	$C_p = 861 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Phase Changes</b>		
<b>Phase Changes</b>	c/liq	397 K, $\Delta H = 30950 \text{ J}\cdot\text{mol}^{-1}$	c/liq	469.6 K, $\Delta H = 39300 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 83.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Molecular Weight</b>	688.0253		<b>Molecular Weight</b>	505.4424	
<b>Wiswesser Line Notation</b>	4N4&YUS&S-AS-SYUS&N4&4&SYUS&N4&4		<b>Wiswesser Line Notation</b>	L E6 D4 B6666 2AB TJ &WNR BQ CNW ENW WNR BQ CNW ENW	
<b>Evaluation</b>	B		<b>Evaluation</b>	B	
$C_{27}H_{54}N_3BiS_6$ (c)		89AIR/DES	$C_{28}H_{17}N_3O_7$ (c)		79FAR/SHA
Tris(di- <i>n</i> -butyldithiocarbamato)bismuth(III)			1,2,3,4-Dibenzanthracene-picric acid		
<b>Heat Capacity</b>	298.15 K, Temperature range 355 to 365 K.	$C_p = 1056 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Phase Changes</b>		
<b>Phase Changes</b>	c/liq	367 K, $\Delta H = 31800 \text{ J}\cdot\text{mol}^{-1}$	c,II/c,I	446.5 K, $\Delta H = 6700 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 15.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Molecular Weight</b>	822.0841		c/liq	485.2 K, $\Delta H = 44800 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 92.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Wiswesser Line Notation</b>	4N4&YUS&S-BI-SYUS&N4&4&SYUS&N4&4		<b>Molecular Weight</b>	507.4582	
<b>Evaluation</b>	B		<b>Wiswesser Line Notation</b>	L D6 J6 C666J &WNR BQ CNW ENW	
$C_{27}H_{54}N_3PS_6$ (c)		89AIR/DES	<b>Evaluation</b>	B	
Tris(di- <i>n</i> -butyldithiocarbamato)phosphorus(III)			$C_{28}H_{17}N_3O_7$ (c)		79FAR/SHA
<b>Heat Capacity</b>	298.15 K, Temperature range 355 to 365 K.	$C_p = 962 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	Picene-picric acid		
<b>Phase Changes</b>	c/liq	374 K, $\Delta H = 35600 \text{ J}\cdot\text{mol}^{-1}$	<b>Phase Changes</b>		
<b>Molecular Weight</b>	644.0775		c,II/c,I	391 K, $\Delta H = 3300 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 8.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Wiswesser Line Notation</b>	4N4&YUS&SPSYUS&N4&4&SYUS&N4&4		c/liq	437.9 K, $\Delta H = 21300 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 48.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Evaluation</b>	B		<b>Molecular Weight</b>	507.4582	
$C_{27}H_{54}N_3SbS_6$ (c)		89AIR/DES	<b>Wiswesser Line Notation</b>	L F6 E6 B666J &WNR BQ CNW ENW	
Tris(di- <i>n</i> -butyldithiocarbamato)antimony(III)			<b>Evaluation</b>	B	
<b>Heat Capacity</b>	298.15 K, Temperature range 330 to 340 K.	$C_p = 1049 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	$C_{28}H_{17}N_3O_7$ (c)		79FAR/SHA
<b>Phase Changes</b>	c/liq	343 K, $\Delta H = 37240 \text{ J}\cdot\text{mol}^{-1}$	1,2,5,6-Dibenzanthracene-picric acid		
<b>Molecular Weight</b>	734.8537		<b>Phase Changes</b>		
<b>Wiswesser Line Notation</b>	4N4&YUS&S-SB-SYUS&N4&4&SYUS&N4&4		c/liq	493.0 K, $\Delta H = 54000 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 109.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Evaluation</b>	B		<b>Molecular Weight</b>	507.4582	
$C_{27}H_{56}$ ( $\alpha, \beta$ )		38VER	<b>Wiswesser Line Notation</b>	L G6 D6 B666J &WNR BQ CNW ENW	
<i>n</i> -Heptacosane			<b>Evaluation</b>	B	
<b>Heat Capacity</b>	313 K. One temperature. Also data for $\alpha$ form, 1117 $\text{J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ at 328 K, and liquid, 828 $\text{J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ at 338 K.	$C_p = 828 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	$C_{28}H_{18}N_6$ (c)		84RAB/KAR
<b>Molecular Weight</b>	380.7394		Phthalonitrile and <i>m</i> -phenylene diamine condensation product		
<b>Wiswesser Line Notation</b>	27H		<b>Heat Capacity</b>	298.15 K, $C_p = 446.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Evaluation</b>	C		<b>Entropy</b>	298.15 K, $S = 424.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
			<b>Molecular Weight</b>	438.4904	
			<b>Wiswesser Line Notation</b>	ZR CZ &NCR DCN	
			<b>Evaluation</b>	A	

$(C_{28}H_{24}GeSi)_n$ (gls)	78LEB/LEB2	$C_{28}H_{32}Cl_4N_2Zn$ (c)	82FER/SOC
Diphenylsilane-diethynylidene phenylgermane vitreous copolymer;		Bis-(tetradecylammonium)zinc tetrachloride	
Polyvinylidene-diphenylenesilyl, germinal- $\alpha$ , $\omega$ -dihydride copolymer		<b>Heat Capacity</b>	
<b>Heat Capacity</b> 298.15 K, $C_p = 566.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		Temperature range 360 to 370 K. Data given graphically.	
Temperature range for devitrification 280 to 310 K. $T(\text{glass}) = 301 \text{ K}$ .		<b>Phase Changes</b>	
<b>Molecular Weight</b> 461.1931		c,III/c,II 362.5 K, $\Delta H = 9700 \text{ J}\cdot\text{mol}^{-1}$	$\Delta S = 22.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Wiswesser Line Notation</b> /*-SI-R&R&IUI-GE-R&R&IUI*/		c,II/c,I 367 K, $\Delta H = 49690 \text{ J}\cdot\text{mol}^{-1}$	$\Delta S = 7.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Evaluation</b> A			Intermediate phase—high temperature phase.
Average molecular weight, $n = 10,000$ .		c,I/liq 438 K, $\Delta H = 7500 \text{ J}\cdot\text{mol}^{-1}$	$\Delta S = 17.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
			High temperature phase—isotropic liquid phase.
$(C_{28}H_{24}GeSi)_n$ (gls)	78LEB/RAB2	<b>Molecular Weight</b> 603.7662	
Diphenylsilane-diethynylidene phenylgermane vitreous copolymer;		<b>Wiswesser Line Notation</b> 14ZH 2.ZN G4	
Polyvinylidene-diphenylenesilyl, germinal- $\alpha$ , $\omega$ -dihydride copolymer		<b>Evaluation</b> A	
<b>Heat Capacity</b> 298.15 K, $C_p = 566.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
Temperature range 7 to 330 K.		$C_{28}H_{32}N_2$ (c)	79KOB/KA'
<b>Entropy</b> 298.15 K, $S = 583.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		Terephthal-bis- <i>n</i> -butylaniline	
Glass like state.		<b>Heat Capacity</b>	
<b>Molecular Weight</b> 461.1931		$C_p$ data given graphically only. Temperature range 88 to 330 K.	
<b>Wiswesser Line Notation</b> /*-SI-R&R&IUI-GE-R&R&IUI*/		<b>Phase Changes</b>	
<b>Evaluation</b> A		c,X/c,IX 99 K, $\Delta H = 280 \text{ J}\cdot\text{mol}^{-1}$	$\Delta S = 2.83 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
$T(\text{glass}) = 301 \text{ K}$ .		c,IX/c,VIII 240 K, $\Delta H = 1235 \text{ J}\cdot\text{mol}^{-1}$	$\Delta S = 9.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
		<b>Molecular Weight</b> 396.5742	
$C_{28}H_{28}P_2$ (c)	89HUI/VAN	<b>Wiswesser Line Notation</b> 4R DNUYR DYVNR D4	
1,4-Bis(diphenylphosphino)butane		<b>Evaluation</b> C	
<b>Heat Capacity</b> 364 K, $C_p = 354 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
Temperature range 364 to 444 K.		$C_{28}H_{32}O_4Si_4$ (c)	76KUL/DZ
<b>Phase Changes</b>		1,1,3,3-Tetramethyl-5,5,7,7-tetraphenyl-cyclotetrasiloxane	
c/liq 405.9 K, $\Delta H = 45300 \text{ J}\cdot\text{mol}^{-1}$		<b>Heat Capacity</b>	
<b>Molecular Weight</b> 272.6570		$C_p$ not given. Temperature range 12 to 370 K. Data deposited VINITI No. 1191-76, 13 April 1976.	
<b>Wiswesser Line Notation</b> RPR&4PR&R		<b>Entropy</b> 298.15 K, $S = 811.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Evaluation</b> B		<b>Phase Changes</b>	
		c,III/c,II 186.5 K, $\Delta H = 243 \text{ J}\cdot\text{mol}^{-1}$	$\Delta S = 1.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
$(C_{28}H_{30}N_2O_4)_n$ (c)	89CHE/JAN	c,II/c,I 271.5 K, $\Delta H = 1046 \text{ J}\cdot\text{mol}^{-1}$	$\Delta S = 3.85 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Poly(azomethine)		c,I/liq 346.21 K, $\Delta H = 27050 \text{ J}\cdot\text{mol}^{-1}$	$\Delta S = 78.13 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Heat Capacity</b>		<b>Molecular Weight</b> 544.9004	
$C_p(\text{liq}) = 0.9751T + 507.78 \text{ J/mol}\cdot\text{K}$ (305 to 512 K).		<b>Wiswesser Line Notation</b> T8-SI-O-SI-O-SI-O-SI-OTJ A1 A1 C1 C1 F	
<b>Phase Changes</b>		ER GR GR	
liq/liq 416.0 K, $\Delta H = 21700 \text{ J}\cdot\text{mol}^{-1}$		<b>Evaluation</b> B	
Disordering transition. 38.5% crystallinity.			
liq/liq 512.8 K, $\Delta H = 2100 \text{ J}\cdot\text{mol}^{-1}$			
$\Delta S = 4.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
Isotropic transition.			
<b>Molecular Weight</b> 458.5560			
<b>Wiswesser Line Notation</b> /*NR B1 DO2O2O2OR C1 DNU1R D1*/			
<b>Evaluation</b> B			
Poly(azomethine) with three ethylene glycol spacers. $T(\text{glass}) = 305 \text{ K}$ .			
$C_{28}H_{30}O_4$ (c)	84OZC/ASR	$C_{28}H_{32}O_4Si_4$ (c)	75MEK/KA'
4,4'-Dihexanoyloxydiphenyldiacetylene		1,3,5'7'-Tetramethyl-1',3',5,7-tetraphenylcyclotetrasiloxane	
<b>Phase Changes</b>		<b>Heat Capacity</b> 298.15 K, $C_p = 615.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
c,III/c,II 343 K, $\Delta H = 19000 \text{ J}\cdot\text{mol}^{-1}$		Temperature range 13 to 390 K.	
$\Delta S = 55.40 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Entropy</b> 298.15 K, $S = 662.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
c,II/c,I 396 K, $\Delta H = 1460 \text{ J}\cdot\text{mol}^{-1}$		<b>Phase Changes</b>	
$\Delta S = 3.682 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		c,liq 373.4 K, $\Delta H = 24619 \text{ J}\cdot\text{mol}^{-1}$	$\Delta S = 62.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c,I/liq 407 K, $\Delta H = 26300 \text{ J}\cdot\text{mol}^{-1}$		<b>Molecular Weight</b> 544.9004	
$\Delta S = 64.64 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Wiswesser Line Notation</b> T8-SI-O-SI-O-SI-O-SI-OTJ A1 AR C1 CR 1	
Solid-nematic.		ER G1 GR	
liq/liq 430 K, $\Delta H = 1710 \text{ J}\cdot\text{mol}^{-1}$		<b>Evaluation</b> B	
$\Delta S = 3.975 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
Nematic-isotropic liquid transition.			
<b>Molecular Weight</b> 430.5426			
<b>Wiswesser Line Notation</b> 5VOR DIUU2UU1R DOV5			
<b>Evaluation</b> A			

<b>C<sub>28</sub>H<sub>32</sub>O<sub>4</sub>Si<sub>4</sub></b> (c)		81MEK/KAR	<b>C<sub>28</sub>H<sub>38</sub>N<sub>2</sub>O<sub>3</sub></b> (c)	83FAN/POE
Tetra(methylphenyl)tetrasiloxane			4-Propionyl-4'-n-tridecanoyloxyazobenzene	
<b>Heat Capacity</b>	298.15 K,	$C_p = 615.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Phase Changes</b>	
Temperature range 13 to 390 K. Data given graphically.			c/liq	374.65 K, $\Delta H = 44769 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 119.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Entropy</b>	298.15 K,	$S = 662.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	Solid-smectic A.	
<b>Phase Changes</b>			liq/liq	416.65 K, $\Delta H = 8075 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 19.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c/liq	373.0 K,	$\Delta H = 42731 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 121.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	Smectic A-isotropic liquid transition.	
<b>Molecular Weight</b>	544.9004		<b>Molecular Weight</b>	450.6198
<b>Wiswesser Line Notation</b>	T8-SI-O-SI-O-SI-O-SI- O-TJ A1 AR C1 CR E1 ER G1 GR		<b>Wiswesser Line Notation</b>	12VOR DNUNR DV2
<b>Evaluation</b>	A		<b>Evaluation</b>	A
<b>C<sub>28</sub>H<sub>34</sub>Cl<sub>3</sub>Fe<sub>3</sub>N<sub>3</sub>O<sub>13</sub></b> (c)		89KAN/NAK	<b>C<sub>28</sub>H<sub>40</sub>O<sub>4</sub></b> (liq)	81ARU/DAU
Hexakis( $\mu$ -acetato) ( $\mu_3$ -oxo)tris(pyridine)iron(II) diiron(III)chloroform			4-(2-Methylbutoxy)phenyl ester of 4-n-decyloxybenzoic acid (D)	
<b>Heat Capacity</b>	300.309 K,	$C_p = 932.03 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Phase Changes</b>	
Temperature range 14 to 300 K. Unsmoothed experimental datum.			liq/liq	323.7 K
<b>Phase Changes</b>			Smectic C-smectic A liquid transition.	
c,II/c,I	207.14 K	$\Delta H = 5107 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 28.10 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	liq/liq	338.15 K, $\Delta H = 17.21 \text{ J}\cdot\text{mol}^{-1}$ Smectic A-isotropic liquid transition.
Two peaks closely centered.			<b>Molecular Weight</b>	440.6216
<b>Molecular Weight</b>	894.1889		<b>Wiswesser Line Notation</b>	10OR DVOR DO1Y2&I
<b>Wiswesser Line Notation</b>	OV1 6 &T6NJ 3 &-FE- 30 &GYGG		<b>Evaluation</b>	C
<b>Evaluation</b>	A			
<b>C<sub>28</sub>H<sub>38</sub>FeN<sub>4</sub>O<sub>4</sub></b> (c)		93KAJ/SOR	<b>C<sub>28</sub>H<sub>54</sub>HgO<sub>4</sub></b> (liq)	78ADE
Bis[2-[[[3-(1-aziridinyl)propyl]jimino]methyl]-6-ethoxyphenolato-N <sup>2</sup> ,N <sup>2</sup> O <sup>1</sup> ] <sup>1-</sup> (OC-6-1'2')-iron (1+) perchlorate complex with benzene			Mercuric tetradecanoate; Mercuric myristate	
<b>Heat Capacity</b>	297.94 K,	$C_p = 910.63 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	415 K, $C_p = 1135.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 13 to 320 K. Unsmoothed experimental datum.			Mean value, 413 to 421 K. Data only graphically for solid.	
<b>Phase Changes</b>			<b>Phase Changes</b>	
c,III/c,II	187 K	First order transition	c,II/c,I	382.4 K, $\Delta H = 57900 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 151.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c,II/c,I	295.3 K	Second or higher order transition	c,I/liq	387.0 K, $\Delta H = 40000 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 103.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b>			<b>Molecular Weight</b>	655.3222
<b>Wiswesser Line Notation</b>			<b>Wiswesser Line Notation</b>	OV13 2 .HG
<b>Evaluation</b>	A		<b>Evaluation</b>	C
A very broad heat capacity anomaly exists between 100 and 310 K. The phase transitions at 187 and 295.3 K are superimposed over the broad heat capacity anomaly. Enthalpy and entropy changes due to all anomalies were calculated to be: $\Delta H = 34.8 \pm 1.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ .				
<b>C<sub>28</sub>H<sub>38</sub>N<sub>2</sub>O<sub>3</sub></b> (c)		88FAN/POE	<b>C<sub>28</sub>H<sub>54</sub>O<sub>4</sub>Cd</b> (c)	78KON/RUF
4-n-Pentanoyl-4-n'-undecanoyloxyazobenzene			Cadmium(II) n-tetradecanoate	
<b>Phase Changes</b>			<b>Phase Changes</b>	
c,II/c,I	354.4 K,	$\Delta H = 4678 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 13.20 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	c/liq	374.7 K, $\Delta H = 43000 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 115 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c,J/liq	368.7 K,	$\Delta H = 31355 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 85.040 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	Crystal-mesophase.	
Solid-smectic A.			liq/liq	380.4 K, $\Delta H = 1600 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
liq/liq	404.6 K,	$\Delta H = 8540 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 21.10 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	Mesophase-liquid.	
Smectic A-isotropic.			<b>Molecular Weight</b>	567.1422
liq/liq	363.9 K,	$\Delta H = 4807 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 13.21 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Wiswesser Line Notation</b>	OV13 2 .CD
Smectic A-smectic monotropic I.			<b>Evaluation</b>	B
liq/c	359.0 K,	$\Delta H = 22853 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 63.655 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		
Smectic monotropic I-solid.				
<b>Molecular Weight</b>	450.6198			
<b>Wiswesser Line Notation</b>	10VOR DNUNR DV4			
<b>Evaluation</b>	A			
<b>C<sub>28</sub>H<sub>54</sub>O<sub>4</sub>Pb</b> (c)			<b>C<sub>28</sub>H<sub>54</sub>O<sub>4</sub>Pb</b> (c)	76ADE/SIM
Lead(II) n-tetradecanoate			Lead(II) n-tetradecanoate	
<b>Phase Changes</b>			<b>Phase Changes</b>	
c/liq			c/liq	372.2 K, $\Delta H = 59100 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 159 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Crystal-smectic.			liq/liq	382.7 K, $\Delta H = 41600 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 109 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
liq/liq			Smectic-liquid.	
<b>Molecular Weight</b>	661.9322		<b>Molecular Weight</b>	661.9322
<b>Wiswesser Line Notation</b>	OV13 2 .PB		<b>Wiswesser Line Notation</b>	OV13 2 .PB
<b>Evaluation</b>	B		<b>Evaluation</b>	B

$C_{28}H_{54}O_4Zn$ (c) Zinc(II) <i>n</i> -tetradecanoate <b>Phase Changes</b> c/liq 407 K, $\Delta H = 86000 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 211 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	78KON/RUF	$C_{28}H_{58}$ (liq) <i>n</i> -Octacosane <b>Phase Changes</b> c,II/c,I 330.7 K, $\Delta H = 33675 \text{ J}\cdot\text{mol}^{-1}$ c,I/liq 334.7 K, $\Delta H = 63385 \text{ J}\cdot\text{mol}^{-1}$	91CLA/LE'
<b>Molecular Weight</b> 520.1122 <b>Wiswesser Line Notation</b> OV13 2 ZN <b>Evaluation</b> B		<b>Molecular Weight</b> 394.7662 <b>Wiswesser Line Notation</b> 28H <b>Evaluation</b> A	
$C_{28}H_{56}Ni_4O_{16}$ (c) Tetrakis( $\mu_3$ -methoxy-2,4-pentanedionato(methanol)nickel(II) <b>Heat Capacity</b> 284.91 K, $C_p = 1018.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Temperature range 0.4 to 285 K. Value is unsmoothed experimental datum. <b>Molecular Weight</b> 883.5408 <b>Wiswesser Line Notation</b> D60-NI-O ADTJ BO1 BO1 D1 F1 4 <b>Evaluation</b> B	78SOR/YOS	$C_{28}H_{58}$ (c) <i>n</i> -Octacosane <b>Phase Changes</b> c,II/c,I 330.40 K, $\Delta H = 33660 \text{ J}\cdot\text{mol}^{-1}$ c,I/liq 333.98 K, $\Delta H = 66520 \text{ J}\cdot\text{mol}^{-1}$	91DOM/WY
		<b>Molecular Weight</b> 394.7662 <b>Wiswesser Line Notation</b> 28H <b>Evaluation</b> A	
$C_{28}H_{56}O_2$ (c) Ethyl hexacosanate <b>Phase Changes</b> c,II/c,I 322.65 K, $\Delta H = 13222 \text{ J}\cdot\text{mol}^{-1}$ $\beta$ - $\alpha$ transition. c,I/liq 332.75 K, $\Delta H = 27048 \text{ J}\cdot\text{mol}^{-1}$ $\alpha$ -liq transition. <b>Molecular Weight</b> 424.7492 <b>Wiswesser Line Notation</b> 25VO2 <b>Evaluation</b> B Data on the specific heats are given at or near the phase transitions.	34KIN/GAR	$C_{29}H_{40}N_2O_3$ (c) 4- <i>n</i> -Pentanoyl-4- <i>n</i> '-dodecanoxyloxyazobenzene <b>Phase Changes</b> c,III/c,II 315.6 K, $\Delta H = 3033 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 9.611 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ c,II/c,I 347.5 K, $\Delta H = 5230 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 15.05 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ c,I/liq 371.0 K, $\Delta H = 33618 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 90.62 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Solid-smectic A. liq/liq 404.4 K, $\Delta H = 8866 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 21.92 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Smectic A-isotropic. liq/liq 363.1 K, $\Delta H = 4607 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 12.69 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Smectic A-smectic monotropic 1. <b>Molecular Weight</b> 464.6466 <b>Wiswesser Line Notation</b> 11VOR DNUNR DV4 <b>Evaluation</b> A Smectic monotropic 1-solid transition, 361 K, $\Delta H = 25175 \text{ J}/\text{mol}$ $\Delta S = 70.46 \text{ J/mol}\cdot\text{K}$	88FAN/PO
$C_{28}H_{58}$ (c) <i>n</i> -Octacosane <b>Phase Changes</b> c,II/c,I 331.15 K, $\Delta H = 35438 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 107.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ c,I/liq 334.35 K, $\Delta H = 64643 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 193.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ <b>Molecular Weight</b> 394.7662 <b>Wiswesser Line Notation</b> 28H <b>Evaluation</b> B	55SCH/BUS	$C_{29}H_{40}N_2O_3$ (c) 4-Propionyl-4'- <i>n</i> -tetradecanoxyloxyazobenzene <b>Phase Changes</b> c,II/c,I 375.65 K, $\Delta H = 45898 \text{ J}\cdot\text{mol}^{-1}$ Solid-smectic A. liq/liq 413.65 K, $\Delta H = 81117 \text{ J}\cdot\text{mol}^{-1}$ Smectic A-isotropic liquid transition. <b>Molecular Weight</b> 464.6466 <b>Wiswesser Line Notation</b> 13VOR DNUNR DV2 <b>Evaluation</b> A	83FAN/PO
$C_{28}H_{58}$ (liq) <i>n</i> -Octacosane <b>Heat Capacity</b> 353 K, $C_p = 937 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Temperature range 353 to 453 K. Equation only. <b>Molecular Weight</b> 394.7662 <b>Wiswesser Line Notation</b> 28H <b>Evaluation</b> C	69ATK/LAR	$C_{29}H_{41}O_2$ (c,l) Galvinoxyl radical; 2,6-Di- <i>tert</i> -butyl-4-(3,5-di- <i>tert</i> -butyl-4-oxocyclohex-2,5-dienylidene methyl)phenoxyl <b>Heat Capacity</b> 298.15 K, $C_p = 654.28 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Temperature range 12 to 300 K. <b>Entropy</b> 298.15 K, $S = 670.10 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ <b>Phase Changes</b> c,II/c,I 81.5 K, $\Delta H = 1504.6 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 18.67 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Magnetic transition temperature. <b>Molecular Weight</b> 421.6417 <b>Wiswesser Line Notation</b> L6V DYJ BX1&1&1 DU1R DO CX1&1&1 EX1&1&1 FX1&1&1 <b>Evaluation</b> A	69KOS/SU
$C_{28}H_{58}$ (c) <i>n</i> -Octacosane <b>Phase Changes</b> c,II/c,I 331.25 K, $\Delta H = 35438 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 107.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ c,I/liq 334.45 K, $\Delta H = 64642 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 193.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ <b>Molecular Weight</b> 394.7662 <b>Wiswesser Line Notation</b> 28H <b>Evaluation</b> B	73COM		

$C_{29}H_{42}O_2$ (c)		69KOS/SUG	$(C_{30}H_{20}N_4O_6)_n$ (c)		79KAR/SAP
2,6-Di-tert-butyl-4-(3,5-di-tert-butyl-4-oxocyclohexa-2,5-dienylidene methyl)phenol			Poly-( <i>p,p'</i> -diphenylenephthalido)hydrazide		
<b>Heat Capacity</b> 298.15 K,	$C_p = 654.28 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K,	$C_p = 583.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 12 to 300 K.			Temperature range 60 to 500 K.		
<b>Entropy</b> 298.15 K,	$S = 662.24 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Entropy</b> 298.15 K,	$S = 545.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Molecular Weight</b> 422.6496			<b>Molecular Weight</b> 532.5114		
Wiswesser Line Notation L6V DYJ BX1&1&1 DU1R DQ CX1&1&1 EX1&1&1&1 FX1&1&1			Wiswesser Line Notation /T56 BHOVT&J BR DVMMVR D* BR DVMMV*/		
<b>Evaluation</b> A			<b>Evaluation</b> A		
$C_{29}H_{42}O_4$ (c)		83ANI/VOR	$(C_{30}H_{20}N_8O_2)_n$ (c)		73KAR/SAP2
4- <i>n</i> -Hexoxyphenyl-4'- <i>n</i> -decyloxybenzoate			Poly(amido-1,2,4-triazole)		
<b>Phase Changes</b>			<b>Heat Capacity</b> 298 K,	$C_p = 544.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
c/liq 334.85 K,	$\Delta H = 31700 \text{ J}\cdot\text{mol}^{-1}$		Temperature range 100 to 650 K.		
Crystal-smectic C.			<b>Entropy</b> 298 K,	$S = 514.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
liq/liq 350.9 K			<b>Molecular Weight</b> 524.5404		
Smectic C-smectic A.			Wiswesser Line Notation /*VMR B- CT5NN DMJ ER C- CT5NN DMJ ER BMVR D*/		
liq/liq 356.496 K			<b>Evaluation</b> B		
Smectic A-nematic.					
liq/liq 362.18 K,	$\Delta H = 1770 \text{ J}\cdot\text{mol}^{-1}$				
Nematic-isotropic liquid.					
<b>Molecular Weight</b> 454.6484					
Wiswesser Line Notation 100R DVOR DO6					
<b>Evaluation</b> B					
$C_{29}H_{50}O$ (c)		88PET/TSY	$C_{30}H_{22}$ (c)		79SMI
$\beta$ -Sitosterol; 24- $\beta$ -Ethylcholesterol			<i>p</i> -Quinquephenyl		
<b>Phase Changes</b>			<b>Phase Changes</b>		
c,II/c,I 342.7 K,	$\Delta H = 2900 \text{ J}\cdot\text{mol}^{-1}$		c/liq 659.6 K,	$\Delta H = 42300 \text{ J}\cdot\text{mol}^{-1}$	
	$\Delta S = 8.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			$\Delta S = 64.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Molecular Weight</b> 414.7134			liq/liq 688.1 K,	$\Delta H = 922 \text{ J}\cdot\text{mol}^{-1}$	
Wiswesser Line Notation				$\Delta S = 1.34 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Evaluation</b> A			Nematic-isotropic phase change.		
$C_{29}H_{60}$ (c)		55SCH/BUS	<b>Wiswesser Line Notation</b> RR DR DR DR DR		
<i>n</i> -Nonacosane			<b>Evaluation</b> A		
<b>Phase Changes</b>					
c,II/c,I 331.35 K,	$\Delta H = 29706 \text{ J}\cdot\text{mol}^{-1}$				
	$\Delta S = 89.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$				
c,I/liq 336.55 K,	$\Delta H = 66107 \text{ J}\cdot\text{mol}^{-1}$				
	$\Delta S = 196.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$				
<b>Molecular Weight</b> 408.7930					
Wiswesser Line Notation 29H					
<b>Evaluation</b> B					
$(C_{30}H_{16}N_4O_4)_n$ (c)		79KAR/SAP	$(C_{30}H_{34}N_2O_5)_n$ (c)		89CHE/JAN
Poly-( <i>p,p'</i> -diphenylenephthalido)-1,3,4-oxadiazole			Poly(azomethine)		
<b>Heat Capacity</b> 298.15 K,	$C_p = 515.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b>		
Temperature range 60 to 500 K.			$C_p(\text{liq}) = 1.04177 + 575.53$ (293 to 467 K).		
<b>Entropy</b> 298.15 K,	$S = 499.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Phase Changes</b>		
<b>Molecular Weight</b> 496.4810			liq/liq 368.3 K,	$\Delta H = 12300 \text{ J}\cdot\text{mol}^{-1}$	
Wiswesser Line Notation /T56 BHOVT&J BR D-CT5NN DOJ E* BR D- CT5NN DOJ ER D*/			Disordering transition. 19.1% crystallinity.		
<b>Evaluation</b> A			liq/liq 467.0 K,	$\Delta H = 2300 \text{ J}\cdot\text{mol}^{-1}$	
$(C_{30}H_{16}N_8)_n$ (c)		73KAR/SAP2		$\Delta S = 4.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Poly(triazolequinazoline)			Isotropic transition.		
<b>Heat Capacity</b> 298 K,	$C_p = 481.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Molecular Weight</b> 502.6090		
Temperature range 100 to 650 K.			Wiswesser Line Notation /*NR B1 DO2O2O2O2OR C1 DNU1R D1*/		
<b>Entropy</b> 298 K,	$S = 441.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Evaluation</b> B		
<b>Molecular Weight</b> 488.5100			Poly(azomethine) with four ethylene glycol spacers. $T(\text{glass}) = 293 \text{ K}$ .		
Wiswesser Line Notation /*YUNR& T5N CNNJ B- ET B566 CNN FN HNJ HR D*/					
<b>Evaluation</b> B					
$C_{30}H_{34}O_4$ (c)		84OZC/ASR	$C_{30}H_{34}O_4$ (c)		
4,4'-Dihexanoyloxydiphenyldiacetylene			<b>Phase Changes</b>		
<b>Phase Changes</b>			c,III/c,II 305 K		
c,II/c,I 318 K,			c,II/c,I 318 K,	$\Delta H = 18900 \text{ J}\cdot\text{mol}^{-1}$	
				$\Delta S = 60.67 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
c,II/c,II, c,II/c,I transitions combined.			c,II/c,II, c,II/c,I transitions combined.		
c,II/liq 402 K,			c,II/liq 402 K,	$\Delta H = 25500 \text{ J}\cdot\text{mol}^{-1}$	
				$\Delta S = 63.47 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Solid-nematic.					
liq/liq 411 K,			liq/liq 411 K,	$\Delta H = 1170 \text{ J}\cdot\text{mol}^{-1}$	
				$\Delta S = 2.845 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Nematic-isotropic liquid transition.					
<b>Molecular Weight</b> 458.5962					
Wiswesser Line Notation 6VOR D1UU2UU1R DOV6					
<b>Evaluation</b> A					

$C_{30}H_{41}NO$ (liq)		81ARU/DAU	$C_{30}H_{58}O_4Pb$ (c,II)	78ADE/SIM
4-Octyl-4'-heptyl- $\alpha$ -cyanostilbene			Lead(II) pentadecanoate	
<b>Heat Capacity</b>			<b>Heat Capacity</b> 380 K,	$C_p = 1430 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 320 to 340 K. Data given graphically.			Mean value, 376 to 380 K. Data only graphically for c,III.	
<b>Phase Changes</b>			<b>Phase Changes</b>	
liq/liq 324.3 K		c,III/c,II 374.7 K,	$\Delta H = 64100 \text{ J}\cdot\text{mol}^{-1}$	
Smectic C-smectic A liquid transition.			$\Delta S = 171 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
liq/liq 337.3 K,	$\Delta S = 1.66 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	c,II and c,I are mesophases.		
Smectic A-nematic liquid transition.		c,II/c,I 384.6 K,	$\Delta H = 48100 \text{ J}\cdot\text{mol}^{-1}$	
liq/liq 338.5 K,	$\Delta S = 6.98 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		$\Delta S = 125 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Nematic-isotropic liquid transition.			<b>Molecular Weight</b> 689.9858	
<b>Molecular Weight</b> 431.6600			<b>Wiswesser Line Notation</b> OV14 2 .PB	
<b>Wiswesser Line Notation</b> 8OR D1U1R DYCN&6			<b>Evaluation</b> C	
<b>Evaluation</b> B				
Assume trans isomer.				
$C_{30}H_{42}N_2O_3$ (c)		88FAN/POE	$C_{30}H_{62}$ (liq)	91TRE/CC
4- <i>n</i> -Pentanoyl-4- <i>n</i> '-tridecanoyloxyazobenzene			2,6,10,15,19,23-Hexamethyltetracosane	
<b>Phase Changes</b>			<b>Heat Capacity</b> 298.15 K,	$C_p = 886.36 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c,II/c,I 361.5 K,	$\Delta H = 6088 \text{ J}\cdot\text{mol}^{-1}$	One temperature.		
	$\Delta S = 16.84 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Molecular Weight</b> 422.8198		
c,I/liq 371.6 K,	$\Delta H = 37070 \text{ J}\cdot\text{mol}^{-1}$	<b>Wiswesser Line Notation</b> 1Y1&3Y1&3Y1&3Y1&3Y1&1		
	$\Delta S = 99.76 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Evaluation</b> B		
Solid-smectic A.			$C_{30}H_{62}$ (c,II)	31GAR/VA
liq/liq 402.9 K,	$\Delta H = 9234 \text{ J}\cdot\text{mol}^{-1}$	<i>n</i> -Triacantane		
	$\Delta S = 22.92 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b> 301 K,	$C_p = 808.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Smectic A-isotropic.		Temperature range 289 to 373 K. Mean value 16 to 38 °C, $\beta$ -form.		
liq/liq 361.9 K,	$\Delta H = 4477 \text{ J}\cdot\text{mol}^{-1}$	<b>Phase Changes</b>		
	$\Delta S = 12.37 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	c,II/c,I 332.2 K,	$\Delta H = 36484 \text{ J}\cdot\text{mol}^{-1}$	
Smectic A-smectic monotropic 1.			$\Delta S = 109.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Molecular Weight</b> 478.6734		$\beta$ - $\alpha$ transition.		
<b>Wiswesser Line Notation</b> 12VOR DNUNR DV4		c,I/liq 338.7 K,	$\Delta H = 68827 \text{ J}\cdot\text{mol}^{-1}$	
<b>Evaluation</b> A			$\Delta S = 203.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
$C_{30}H_{42}N_2O_3$ (c)		83FAN/POE	<b>Molecular Weight</b> 422.8198	
4-Propionyl-4- <i>n</i> -pentadecanoyloxyazobenzene			<b>Wiswesser Line Notation</b> 30H	
<b>Phase Changes</b>			<b>Evaluation</b> B ( $C_p$ ),	D (Phase changes)
c/liq 376.65 K,	$\Delta H = 51505 \text{ J}\cdot\text{mol}^{-1}$	$C_{30}H_{62}$ (c)		55SCH/BUL
	$\Delta S = 136.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<i>n</i> -Triacantane		
Solid-smectic A.		<b>Phase Changes</b>		
liq/liq 412.15 K,	$\Delta H = 8452 \text{ J}\cdot\text{mol}^{-1}$	c,II/c,I 335.15 K		
	$\Delta S = 20.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	c,I/liq 338.55 K		
Smectic A-isotropic liquid transition.		<b>Molecular Weight</b> 422.8198		
<b>Molecular Weight</b> 478.6734		<b>Wiswesser Line Notation</b> 30H		
<b>Wiswesser Line Notation</b> 14VOR DNUNR DV2		<b>Evaluation</b> B		
<b>Evaluation</b> A				
$C_{30}H_{46}$ (c)		83KRA/BEC	$C_{30}H_{62}$ (c)	73CO
3,4-Dimethyl-3,4-bis(4- <i>tert</i> -butylphenyl)hexane			<i>n</i> -Triacantane	
<b>Heat Capacity</b> 298 K,	$C_p = 631.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Phase Changes</b>		
One temperature. $C_p$ given as 0.371 cal.K <sup>-1</sup> .g <sup>-1</sup> .		c,II/c,I 335.25 K,	$\Delta H = 37489 \text{ J}\cdot\text{mol}^{-1}$	
<b>Molecular Weight</b> 406.6934			$\Delta S = 111.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Wiswesser Line Notation</b> 1XR DX2&2&X2&2&R DX		c,I/liq 338.65 K,	$\Delta H = 68827 \text{ J}\cdot\text{mol}^{-1}$	
<b>Evaluation</b> B			$\Delta S = 203.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
$C_{30}H_{58}O_4$ (liq)		76PHI/MAT	<b>Molecular Weight</b> 422.8198	
Di- <i>n</i> -decyl sebacate			<b>Wiswesser Line Notation</b> 30H	
<b>Heat Capacity</b> 368 K,	$C_p = 1004 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Evaluation</b> B		
Temperature range 368 to 240 K.				
<b>Molecular Weight</b> 482.7858		$C_{30}H_{62}$ (c)		81HC
<b>Wiswesser Line Notation</b> 10OV8VO10		<i>n</i> -Triacantane		
<b>Evaluation</b> C		<b>Heat Capacity</b> 300 K,	$C_p = 558 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
		Temperature range 300 to 500 K. $C_v = 1.30 \text{ J}\cdot\text{g}^{-1}\cdot\text{K}^{-1}$		
		<b>Molecular Weight</b> 422.8198		
		<b>Wiswesser Line Notation</b> 30H		
		<b>Evaluation</b> D		

$C_{31}H_{44}N_2O_3$	(c)	88FAN/POE	$(C_{32}H_{20}N_4)_n$	(c)	74KAR/RAB
4- <i>n</i> -Pentanoyl-4- <i>n'</i> -Tetradecanoyloxyazobenzene			Poly-[2,2'-( <i>p</i> -phenylene-1,1-diphenyl-5,5'-dibenzimidazole]		
<b>Phase Changes</b>			<b>Heat Capacity</b>	298.15 K,	$C_p = 537.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c,III/c,II	325.1 K,	$\Delta H = 3234 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 9.950 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	Temperature range 50 to 500 K.		
c,II/c,I	354.4 K,	$\Delta H = 6000 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 16.93 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Entropy</b>	298.15 K,	$S = 469.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c,I/liq	373.5 K,	$\Delta H = 38116 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 102.05 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Molecular Weight</b>	460.5370	
Solid-smectic A.			<b>Wiswesser Line Notation</b>	T56 BN DNJ CR D* H- HT56 BN DNJ CR	
liq/liq	402.6 K,	$\Delta H = 9544 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 23.71 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>D*&amp; DR/</b>		
Smectic A-isotropic.			<b>Evaluation</b>	A	
<b>Molecular Weight</b>	492.7702				
<b>Wiswesser Line Notation</b>	15VOR DNUNR DV4				
<b>Evaluation</b>	A				
$C_{31}H_{44}N_2O_3$	(c)	83FAN/POE	$C_{32}H_{22}Ge$	(c)	75LEB/MIL3
4-Propionyl-4'- <i>n</i> -hexadecanoyloxyazobenzene			1,1-Diethynyl-2,3,4,5-tetraphenyl-1-germacyclo-pentadiene		
<b>Phase Changes</b>			<b>Heat Capacity</b>	298.15 K,	$C_p = 556.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c/liq	378.65 K,	$\Delta H = 53011 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 140.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	Temperature range 62 to 309 K.		
Solid-smectic A.			<b>Entropy</b>	298.15 K,	$S = 625.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
liq/liq	410.65 K,	$\Delta H = 8619 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 21.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Molecular Weight</b>	479.1367	
Smectic A-isotropic liquid transition			<b>Wiswesser Line Notation</b>	T5-GE- AHJ A1UU1 A1UU1 BR CR DR ER	
<b>Molecular Weight</b>	492.7002		<b>Evaluation</b>	B	
<b>Wiswesser Line Notation</b>	15VOR DNUNR DV2				
<b>Evaluation</b>	A				
$C_{31}H_{52}O_3$	(c)	88BAG/GUR	$(C_{32}H_{22}Ge)_n$	(gls)	75LEB/MIL3
$\alpha$ -Tocopherol acetate			Poly-1,1-diethynyl-2,3,4,5-tetraphenyl-1-germacyclopentadiene		
<b>Heat Capacity</b>	293.75 K,	$C_p = 898 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p = 489.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 273 to 334 K. Unsmoothed experimental datum.			Temperature range 62 to 307 K.		
<b>Molecular Weight</b>	472.7500		<b>Entropy</b>	298.15 K,	$S = 524.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Wiswesser Line Notation</b>	T66 BOT&J C3Y1&3Y1&3Y1&1 C1 G1 HOV1 II J1		<b>Molecular Weight</b>	479.1367	
<b>Evaluation</b>	B		<b>Wiswesser Line Notation</b>	T5-GE- BUTJ A1UU1 A1UU1 BR* CR* DR ER/	
			<b>Evaluation</b>	B	
$C_{32}H_{64}$	(liq)	45FIS/NAY	$(C_{32}H_{24}N_4O_2)_n$	(c)	74KAR/RAB
11- <i>n</i> -Decylheicosane			Poly-[N-terphthalyl-bis-(N'-phenyl- <i>o</i> -diphenylamine)]		
<b>Heat Capacity</b>	300 K,	$C_p = 949.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p = 612.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 12 to 296 K (Penn State), 80 to 297 K (Stanford); at 300 K, $C_p = 949.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ (Penn State), 963.2 $\text{J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ (Stanford).			Temperature range 50 to 500 K.		
<b>Entropy</b>	298.15 K,	$S = 1086.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Entropy</b>	298.15 K,	$S = 601.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Penn State entropy above. From Stanford data, with extrapolation of 218.0 $\text{J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ , $S = 1098.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ .			<b>Molecular Weight</b>	496.5674	
<b>Phase Changes</b>			<b>Wiswesser Line Notation</b>	/*VMR BMR ER CMVR* DMR/	
c/liq	282.34 K,	$\Delta H = 71207 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 252.20 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Evaluation</b>	A	
Stanford data give $\Delta H = 71044 \text{ J}\cdot\text{mol}^{-1}$ ; Tm 282.2 K.					
<b>Molecular Weight</b>	436.8466				
<b>Wiswesser Line Notation</b>	10Y10&10				
<b>Evaluation</b>	B				
Impurity from melting data, 3.4 to 3.5 mol%.					
$C_{31}H_{64}$	(c, $\beta$ )	38VER	$C_{32}H_{26}$	(c)	31SMI/AND
<i>n</i> -Hentriacontane			Pentaphenylethane		
<b>Heat Capacity</b>	323 K,	$C_p = 912 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298.5 K,	$C_p = 473.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
One temperature. Also data for $\alpha$ form. 1774 $\text{J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ at 338 K, and liquid 1096 $\text{J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ at 348 K.			Temperature range 102 to 346 K. Value is unsmoothed experimental datum.		
<b>Molecular Weight</b>	436.8466		<b>Molecular Weight</b>	410.5574	
<b>Wiswesser Line Notation</b>	31H		<b>Wiswesser Line Notation</b>	RYR&XR&R&R	
<b>Evaluation</b>	C		<b>Evaluation</b>	C	
$C_{32}H_{38}Fe_3N_4O_{13}$	(c)		$C_{32}H_{38}Fe_3N_4O_{13}$	(c)	85OH/KAM
$\mu_3$ -Oxo-tris(pyridine)hexakis(acetato) iron(II) diiron pyridine					
<b>Heat Capacity</b>	300 K,	$C_p = 930 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
Temperature range 12 to 300 K. Data given graphically. Value estimated from graph.					
<b>Phase Changes</b>					
c,V/c,IV		111.4 K			
c,IV/c,III		112.0 K			
c,III/c,II		185.8 K			
c,II/c,I		191.5 K			
<b>Molecular Weight</b>	854.2122				
<b>Wiswesser Line Notation</b>	OV1 6 &T6NJ 3 &-FE- O &T6NJ				
<b>Evaluation</b>	C				

$C_{32}H_{38}Fe_3N_4O_{13}$ (c)		86SOR/KAJ	$C_{32}H_{46}N_2O_3$ (c)		88FAN/POE
$\mu_3$ -Oxo-tris(pyridine)hexakis(acetato) iron(II)-diiron pyridine			4-n'-Pentanoyl-4-n'-pentadecanoyloxyazobenzene		
<b>Heat Capacity</b>	300 K,	$C_p = 928.91 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Phase Changes</b>		
Temperature range 12 to 300 K.			c,II/c,I	368.9 K,	$\Delta H = 9117 \text{ J}\cdot\text{mol}^{-1}$
<b>Phase Changes</b>			c,II/c,I		$\Delta S = 24.71 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c,V/c,IV	111.4 K		c,I/liq	374.8 K,	$\Delta H = 42702 \text{ J}\cdot\text{mol}^{-1}$
c,IV/c,III	112.0 K,	$\Delta H = 503 \text{ J}\cdot\text{mol}^{-1}$			$\Delta S = 113.93 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c,V/c,IV and c,IV/c,III combined.		$\Delta S = 4.61 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	Solid-smectic A.		
c,III/c,II	185.8 K		liq/liq	401.2 K,	$\Delta H = 9836 \text{ J}\cdot\text{mol}^{-1}$
c,II/c,I	191.5 K,	$\Delta H = 4440 \text{ J}\cdot\text{mol}^{-1}$			$\Delta S = 24.52 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c,III/c,II and c,II/c,I combined.		$\Delta S = 26.04 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	Smectic A-isotropic.		
<b>Molecular Weight</b>	854.2122		<b>Molecular Weight</b>	506.7270	
<b>Wiswesser Line Notation</b>	OV1 6 & T6NJ 3 &-FE- 3 O & T6NJ		<b>Wiswesser Line Notation</b>	14VOR DNUNR DV4	
<b>Evaluation</b>	A		<b>Evaluation</b>	A	
$C_{32}H_{38}Mn_3N_4O_{13}$ (c)		89JAN/VIN	$C_{32}H_{46}N_2O_3$ (c)		83FAN/POE
Hexakis-( $\mu$ -acetato) ( $\mu_3$ -oxo)tris(pyridine) trimanganese-pyridine			4-Propionyl-4'-n-heptadecanoyloxyazobenzene		
<b>Phase Changes</b>			<b>Phase Changes</b>		
c,II/c,I	184.65 K,	$\Delta H = 6460 \text{ J}\cdot\text{mol}^{-1}$	c/liq	379.65 K,	$\Delta H = 58743 \text{ J}\cdot\text{mol}^{-1}$
		$\Delta S = 35.77 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			$\Delta S = 154.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b>	851.4852		Solid-smectic A.		
<b>Wiswesser Line Notation</b>	OV1 6 & T6NJ 3 &-MN- O & T6NJ		liq/liq	409.65 K,	$\Delta H = 8703 \text{ J}\cdot\text{mol}^{-1}$
<b>Evaluation</b>	A				$\Delta S = 21.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
			Smectic A-isotropic liquid transition.		
<b>Molecular Weight</b>	506.7270		<b>Molecular Weight</b>	506.7270	
<b>Wiswesser Line Notation</b>	16VOR DNUNR DV2		<b>Wiswesser Line Notation</b>		
<b>Evaluation</b>	A		<b>Evaluation</b>	A	
$C_{32}H_{38}Mn_3N_4O_{13}$ (c)		89NAK/SOR	$C_{32}H_{50}$ (c)		83KRA/BEC
Hexakis-( $\mu$ -acetato)( $\mu_3$ -oxo)tris(pyridine)trimanganese-pyridine			2,4,5,7-Tetramethyl-4,5-bis(4- <i>tert</i> -butylphenyl)octane		
<b>Heat Capacity</b>	299.804 K,	$C_p = 926.56 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298 K,	$C_p = 683.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 14 to 302 K. Unsmoothed experimental datum.			One temperature. $C_p$ given as 0.376 cal. $\text{K}^{-1}\cdot\text{g}^{-1}$ .		
<b>Phase Changes</b>			<b>Molecular Weight</b>	434.7470	
c,II/c,I	184.65 K,	$\Delta H = 6460 \text{ J}\cdot\text{mol}^{-1}$	<b>Wiswesser Line Notation</b>	1XR DX1Y&X1Y&R DX	
		$\Delta S = 35.77 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Evaluation</b>	B	
<b>Molecular Weight</b>	851.4852				
<b>Wiswesser Line Notation</b>	OV1 6 & T6NJ 3 &-MN- O & T6NJ				
<b>Evaluation</b>	A				
$C_{32}H_{38}O_4$ (c)		84OZC/ASR	$C_{32}H_{50}$ (c)		83KRA/BEC
4,4'-Dioctanoyloxydiphenyldiacetylene			4,5-Diethyl-4,5-bis(4- <i>tert</i> -butylphenyl)octane		
<b>Phase Changes</b>			<b>Heat Capacity</b>	298 K,	$C_p = 618.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c,II/c,I	359 K,	$\Delta H = 35400 \text{ J}\cdot\text{mol}^{-1}$	One temperature. $C_p$ given as 0.340 cal. $\text{K}^{-1}\cdot\text{g}^{-1}$ .		
		$\Delta S = 98.70 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Molecular Weight</b>	434.7470	
c,I/liq	406 K,	$\Delta H = 34000 \text{ J}\cdot\text{mol}^{-1}$	<b>Wiswesser Line Notation</b>	1XR DX2&3&X2&3&R DX	
		$\Delta S = 83.76 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Evaluation</b>	B	
Solid-nematic.					
liq/liq	412 K,	$\Delta H = 21800 \text{ J}\cdot\text{mol}^{-1}$			
		$\Delta S = 5.272 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
Nematic-isotropic liquid transition.					
<b>Molecular Weight</b>	486.6498				
<b>Wiswesser Line Notation</b>	7VOR D1UU2UU1R DOV7				
<b>Evaluation</b>	A				
$C_{32}H_{39}ClO_2$ (c)		79LEW/ENE	$C_{32}H_{54}O_4$ (gls)		84OVC/MOC
Norethindrone-6-(4-chlorophenyl)-hexanoate			Diisododecyl phthalate		
<b>Phase Changes</b>			<b>Heat Capacity</b>	297.50 K,	$C_p = 909 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c/liq	413 K,	$\Delta H = 28800 \text{ J}\cdot\text{mol}^{-1}$	Temperature range 6 to 300 K. Unsmoothed experimental datum.		
		$\Delta S = 69.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Entropy</b>	298.15 K,	$S = 959 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Molecular Weight</b>	491.1119		<b>Molecular Weight</b>	502.7762	
<b>Wiswesser Line Notation</b>	L E5 B666 OV MUTJ E1 F1UU1 FV5R DG		<b>Wiswesser Line Notation</b>	4Y2&1Y2&1OVR BVO1Y2&1Y2&4	
<b>Evaluation</b>	A		<b>Evaluation</b>	A	
			$T(\text{glass}) = 188 \text{ K}$ .		

<b>C<sub>32</sub>H<sub>62</sub>O<sub>4</sub>Cd</b> (c)							
Cadmium(II) <i>n</i> -hexadecanoate							
<b>Phase Changes</b>							
c/liq	380.4 K,	$\Delta H = 23000 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 60 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$					
Crystal-mesophase(1).							
liq/liq	387.1 K,	$\Delta H = 15300 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 40 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$					
Mesophase(1)-mesophase(2).							
liq/liq	399 K,	$\Delta H = 4800 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 12 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$					
Mesophase(2)-liquid.							
<b>Molecular Weight</b>	623.2494						
<b>Wiswesser Line Notation</b>	OV15 2 .CD						
<b>Evaluation</b>	B						
<b>C<sub>32</sub>H<sub>62</sub>O<sub>4</sub>Pb</b> (c)							
Lead(II) <i>n</i> -hexadecanoate							
<b>Phase Changes</b>							
c/liq	373.4 K,	$\Delta H = 55000 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 147 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$					
Crystal-smectic(1).							
liq/liq	380.6 K,	$\Delta H = 40000 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 100 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$					
Smectic(1)-smectic(2).							
liq/liq	384.2 K,	$\Delta H = 46400 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 121 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$					
Smectic(2)-liquid.							
<b>Molecular Weight</b>	718.0394						
<b>Wiswesser Line Notation</b>	OV15 2 .PB						
<b>Evaluation</b>	B						
<b>C<sub>32</sub>H<sub>62</sub>O<sub>4</sub>Zn</b> (c)							
Zinc(II) <i>n</i> -hexadecanoate							
<b>Phase Changes</b>							
c/liq	407 K,	$\Delta H = 93000 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 229 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$					
<b>Molecular Weight</b>	576.2194						
<b>Wiswesser Line Notation</b>	OV15 2 .ZN						
<b>Evaluation</b>	B						
<b>C<sub>32</sub>H<sub>64</sub>HgO<sub>4</sub></b> (liq)							
Mercuric hexadecanoate; Mercuric palmitate							
<b>Heat Capacity</b>	410 K,	$C_p = 1217.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$					
Mean value, 396 to 421 K. Data only graphically for solid.							
<b>Phase Changes</b>							
c.II/c,I	383.4 K,	$\Delta H = 49500 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 129.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$					
c,I probably a smectic phase.							
c.I/liq	390.3 K,	$\Delta H = 59500 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 152.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$					
<b>Molecular Weight</b>	713.4452						
<b>Wiswesser Line Notation</b>	OV15 2 .HG						
<b>Evaluation</b>	C						
Data on the specific heats are given at or near the phase transitions.							
<b>C<sub>32</sub>H<sub>64</sub>O<sub>2</sub></b> (c)							
Ethyl triacontanate							
<b>Phase Changes</b>							
c.II/c,I	334.65 K,	$\Delta H = 16196 \text{ J}\cdot\text{mol}^{-1}$					
β-α transition.							
c.I/liq	341.45 K,	$\Delta H = 36073 \text{ J}\cdot\text{mol}^{-1}$					
α-liq transition.							
<b>Molecular Weight</b>	480.8564						
<b>Wiswesser Line Notation</b>	29VO2						
<b>Evaluation</b>	B						
<b>C<sub>32</sub>H<sub>66</sub></b> (c,α)							
<i>n</i> -Dotriacontane							
<b>Heat Capacity</b>	338 K,						
One temperature.							
<b>Molecular Weight</b>	450.8734						
<b>Wiswesser Line Notation</b>	32H						
<b>Evaluation</b>	C						
<b>C<sub>32</sub>H<sub>66</sub></b> (c,β)							
<i>n</i> -Dotriacontane							
<b>Heat Capacity</b>	333 K,						
One temperature.							
<b>Molecular Weight</b>	450.8734						
<b>Wiswesser Line Notation</b>	32H						
<b>Evaluation</b>	C						
<b>C<sub>32</sub>H<sub>66</sub></b> (liq)							
<i>n</i> -Dotriacontane							
<b>Heat Capacity</b>	348 K,						
One temperature.							
<b>Molecular Weight</b>	450.8734						
<b>Wiswesser Line Notation</b>	32H						
<b>Evaluation</b>	C						
<b>C<sub>32</sub>H<sub>66</sub></b> (c)							
<i>n</i> -Dotriacontane							
<b>Heat Capacity</b>	298.15 K,						
Temperature range 80 to 300 K.							
<b>Entropy</b>	298.15 K,						
Extrapolation below 80 K, 214.8 $\text{J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ .							
<b>Molecular Weight</b>	450.8734						
<b>Wiswesser Line Notation</b>	32H						
<b>Evaluation</b>	B( $C_p$ ),C( $S$ )						
<b>C<sub>32</sub>H<sub>66</sub></b> (c)							
<i>n</i> -Dotriacontane							
<b>Phase Changes</b>							
c.II/c,I	338.65 K,						
c.I/liq	343.45 K,						
<b>Molecular Weight</b>	450.8734						
<b>Wiswesser Line Notation</b>	32H						
<b>Evaluation</b>	B						
<b>C<sub>32</sub>H<sub>66</sub></b> (c)							
<i>n</i> -Dotriacontane							
<b>Heat Capacity</b>	300 K,						
Temperature range 300 to 500 K. $C_v = 1.77 \text{ J}\cdot\text{g}^{-1}\cdot\text{K}^{-1}$ .							
<b>Molecular Weight</b>	450.8734						
<b>Wiswesser Line Notation</b>	32H						
<b>Evaluation</b>	B						
<b>C<sub>32</sub>H<sub>66</sub></b> (c)							
<i>n</i> -Dotriacontane							
<b>Heat Capacity</b>	300 K,						
$C_p = 806 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$							
<b>Molecular Weight</b>	450.8734						
<b>Wiswesser Line Notation</b>	32H						
<b>Evaluation</b>	B						
<b>C<sub>32</sub>H<sub>72</sub>CdCl<sub>4</sub>N<sub>2</sub></b> (c)							
Bis-hexadecylammonium tetrachlorocadmium							
<b>Phase Changes</b>							
c.IV/c,III	346 K,	$\Delta H = 32000 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 93 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$					
c.III/c,II	352 K,	$\Delta H = 8000 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 23 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$					
c.II/c,I	356 K,	$\Delta H = 26500 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 74 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$					
<b>Molecular Weight</b>	739.1562						
<b>Wiswesser Line Notation</b>	-16-ZH 2 .CD G4						
<b>Evaluation</b>	B						

$C_{32}H_{72}CdCl_4N_2$ (c) Bis( <i>n</i> -hexadecylammonium)tetrachlorocadmite <b>Phase Changes</b> c,IV/c,III 345 K, $\Delta H = 40400 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 117.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Monoclinic to ortho II. c,III/c,II 352 K, $\Delta H = 7700 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 21.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Ortho II to ortho I. c,II/c,I 356 K, $\Delta H = 31500 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 88.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Ortho I to tetragonal. <b>Molecular Weight</b> 739.1562 <b>Wiswesser Line Notation</b> 16ZH 2 .CD G4 <b>Evaluation</b> A	89CHA/HOU	$C_{33}H_{48}N_2O_3$ (c) 4-Propionyl-4'- <i>n</i> -octadecanoyloxyazobenzene <b>Phase Changes</b> c/liq 380.65 K, $\Delta H = 59622 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 156.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Solid-smectic A. liq/liq 408.65 K, $\Delta H = 8954 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 21.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Smectic A-isotropic liquid transition. <b>Molecular Weight</b> 520.7538 <b>Wiswesser Line Notation</b> 17VOR DNUNR DV2 <b>Evaluation</b> A	83FAN/POE
$C_{33}H_{34}O_2$ (c) Norethindrone <i>trans</i> -4-hexylecyclohexylcarboxylate <b>Phase Changes</b> c/liq 398 K, $\Delta H = 22600 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 56.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ <b>Molecular Weight</b> 462.6304 <b>Wiswesser Line Notation</b> L E5 B666 OV MUTJ E1 F1UU1 FV- -AL6TJ <b>Evaluation</b> A	79LEW/ENE	$C_{33}H_{48}O_2$ (c) Norethindrone <i>trans</i> -3-(4-butylcyclohexyl)propionate <b>Phase Changes</b> c/liq 374 K, $\Delta H = 22500 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 60.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ <b>Molecular Weight</b> 476.7410 <b>Wiswesser Line Notation</b> L E5 B666 OV MUTJ E1 F1UU1 FV2- -AL6TJ D4 <b>Evaluation</b> A	79LEW/ENE
$C_{33}H_{34}O_2$ (c) Norethindrone biphenyl-4-carboxylate <b>Phase Changes</b> c/liq 462 K, $\Delta H = 31600 \text{ J}\cdot\text{mol}^{-1}$ <b>Molecular Weight</b> 462.6304 <b>Wiswesser Line Notation</b> L E5 B666 OV MUTJ E1 F1UU1 FVR DR <b>Evaluation</b> A	79LEW/ENE	$C_{33}H_{62}O_6$ (liq) Tridecanoic, Glyceryl tridecanoate <b>Heat Capacity</b> 313 K, $C_p = 1109 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Temperature range 313 to 388 K. <b>Molecular Weight</b> 554.8492 <b>Wiswesser Line Notation</b> 9VO1YOV9&1OV9 <b>Evaluation</b> C	76PHI/MA1
$C_{33}H_{40}O_2$ (c) Norethindrone 4-cyclohexylbenzoate <b>Phase Changes</b> c/liq 482 K, $\Delta H = 36800 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 65.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ <b>Molecular Weight</b> 468.6778 <b>Wiswesser Line Notation</b> L E5 B666 OV MUTJ E1 F1UU1 FVR D- -AL6TJ <b>Evaluation</b> A	79LEW/ENE	$C_{33}H_{68}$ (c) <i>n</i> -Tritriacacontane <b>Heat Capacity</b> 294.4 K, $C_p = 900.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Temperature range 94 to 294 K. Value is unsmoothed experimental datum. <b>Entropy</b> 298.15 K, $S = 877.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Extrapolation below 90 K, 267 $\text{J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ . <b>Molecular Weight</b> 464.9002 <b>Wiswesser Line Notation</b> 33H <b>Evaluation</b> B( $C_p$ ),C( $S$ )	30PAR/HUF
$C_{33}H_{48}N_2O_3$ (c) 4- <i>n</i> -Pentanoyl-4- <i>n</i> '-hexadecanoyloxyazobenzene <b>Phase Changes</b> c,III/c,II 333.9 K, $\Delta H = 4686 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 14.03 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ c,II/c,I 361.8 K, $\Delta H = 7146 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 19.75 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ c,I/liq 377.4 K, $\Delta H = 15627 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 120.90 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Solid-smectic A. liq/liq 399.6 K, $\Delta H = 10067 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 25.19 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Smectic A-isotropic. <b>Molecular Weight</b> 520.7538 <b>Wiswesser Line Notation</b> 15VOR DNUNR DV4 <b>Evaluation</b> A	88FAN/POE	$C_{33}H_{68}$ (liq) <i>n</i> -Tritriacacontane <b>Heat Capacity</b> 353 K, $C_p = 1112.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Temperature range 80 to 110 °C. <b>Phase Changes</b> c/liq 344.2 K, $\Delta H = 105039 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 305.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ <b>Molecular Weight</b> 464.9002 <b>Wiswesser Line Notation</b> 33H <b>Evaluation</b> B	32SPA/TIIIC
$(C_{34}H_{18}N_6O)_n$ (c) Polybenzimidazoloquinazole <b>Heat Capacity</b> 298.15 K, $C_p = 523.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Temperature range 60 to 600 K. <b>Entropy</b> 298.15 K, $S = 453.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ <b>Molecular Weight</b> 526.5560 <b>Wiswesser Line Notation</b> /T D6 C656 BN LNJ K* OO- OT D6 C656 B: LNJ KR D*/ <b>Evaluation</b> B		$(C_{34}H_{18}N_6O)_n$ (c) Polybenzimidazoloquinazole <b>Heat Capacity</b> 298.15 K, $C_p = 523.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Temperature range 60 to 600 K. <b>Entropy</b> 298.15 K, $S = 453.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ <b>Molecular Weight</b> 526.5560 <b>Wiswesser Line Notation</b> /T D6 C656 BN LNJ K* OO- OT D6 C656 B: LNJ KR D*/ <b>Evaluation</b> B	84KAR/SH*

$(C_{34}H_{20}N_4O)_n$ (c)		77KAR/RAB	$C_{34}H_{66}O_4Pb$ (c,III)		78ADE/SIM
Poly[2,2'-(1,4-phenylene)-7,7'-oxy-bis(3-phenylquinoxaline)]			Lead(II) heptadecanoate		
<b>Heat Capacity</b>	300 K, $C_p = 600 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b>		
Temperature range 100 to 700 K. Data given graphically. Value estimated from graph.			Data only graphically for c,III.		
<b>Entropy</b>	300 K, $S = 449.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Phase Changes</b>		
<b>Molecular Weight</b>	576.6558		c,III/c,II	378.7 K,	$\Delta H = 68000 \text{ J}\cdot\text{mol}^{-1}$
<b>Wiswesser Line Notation</b>	/T66 BN ENJ CR D* HO- HT66 BN ENJ CR DR D*/		c,II, and c,I, are mesophases.		$\Delta S = 180 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Evaluation</b>	$C(C_p, S)$ ; A(Phase changes)		c,II/c,I	387.4 K,	$\Delta H = 55100 \text{ J}\cdot\text{mol}^{-1}$
	$T(\text{glass}) = 556.0 \text{ K.}$				$\Delta S = 142 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
 			<b>Molecular Weight</b>	746.0930	
$(C_{34}H_{22}N_6O_3)_n$ (c)		84KAR/SHV	<b>Wiswesser Line Notation</b>	OV16 2 .PB	
Bis-( <i>o</i> -aminophenyl)-2,2'-dibenzimidazole oxide, intermediate polymer			<b>Evaluation</b>	C	
<b>Heat Capacity</b>	298.15 K, $C_p = 699.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		  		
Temperature range 60 to 600 K.			  		
<b>Entropy</b>	298.15 K, $S = 594.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		  		
<b>Molecular Weight</b>	562.5864		  		
<b>Wiswesser Line Notation</b>	/*VR DVMR B- CT56 BM DNJ HO-HT56		  		
BM DNJ CR BM*/			  		
<b>Evaluation</b>	B		  		
$C_{34}H_{42}O_4$ (c)		84OZC/ASR	$C_{34}H_{70}$ (c)		31GAR/VAN
4,4'-Dinonanoyloxydiphenyldiacetylene			<i>n</i> -Tetraoctane		
<b>Phase Changes</b>			<b>Heat Capacity</b>	303 K, $C_p = 887.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
c,II/c,I	326 K, $\Delta H = 19500 \text{ J}\cdot\text{mol}^{-1}$		Temperature range 293 to 373 K. Mean value 20 to 40 °C. $\beta$ -form.		
	$\Delta S = 59.79 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Phase Changes</b>		
c,I/liq	400 K, $\Delta H = 33500 \text{ J}\cdot\text{mol}^{-1}$		c,II/c,I	341.1 K, $\Delta H = 48032 \text{ J}\cdot\text{mol}^{-1}$	
	$\Delta S = 83.76 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$				$\Delta S = 140.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Solid-nematic.			$\beta$ - $\alpha$ transition.		
liq/liq	401 K, $\Delta H = 14600 \text{ J}\cdot\text{mol}^{-1}$		c,I/liq	345.6 K, $\Delta H = 79956 \text{ J}\cdot\text{mol}^{-1}$	
	$\Delta S = 3.640 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$				$\Delta S = 231.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Nematic-isotropic liquid transition.			<b>Molecular Weight</b>	478.9270	
<b>Molecular Weight</b>	514.7034		<b>Wiswesser Line Notation</b>	34H	
<b>Wiswesser Line Notation</b>	8VOR D1UU2UU1R DOV8		<b>Evaluation</b>	B	
<b>Evaluation</b>	A		  		
 			$C_{34}H_{70}$ (liq)		69ATK/LAR
$C_{34}H_{50}N_2O_3$ (c)		88FAN/POE	<i>n</i> -Tetraoctane		
4-n-Pentanoyl-4- <i>n</i> '-heptadecanoyloxyazobenzene			<b>Heat Capacity</b>	353 K, $C_p = 1149 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Phase Changes</b>			Temperature range 353 to 453 K. Equation only.		
c,II/c,I	371.5 K, $\Delta H = 9217 \text{ J}\cdot\text{mol}^{-1}$		<b>Molecular Weight</b>	478.9270	
	$\Delta S = 24.81 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Wiswesser Line Notation</b>	34H	
c,I/liq	377.4 K, $\Delta H = 46497 \text{ J}\cdot\text{mol}^{-1}$		<b>Evaluation</b>	C	
	$\Delta S = 123.20 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		  		
Solid-smectic A.			$C_{34}H_{70}$ (c)		73COM
liq/liq	397.0 K, $\Delta H = 9979 \text{ J}\cdot\text{mol}^{-1}$		<i>n</i> -Tetraoctane		
	$\Delta S = 25.14 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Phase Changes</b>		
Smectic A-isotropic.			c,III/c,II	342.25 K	
<b>Molecular Weight</b>	534.7806		c,II/c,I	342.65 K, $\Delta H = 48032 \text{ J}\cdot\text{mol}^{-1}$	
<b>Wiswesser Line Notation</b>	16VOR DNUNR DV4				$\Delta S = 140.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Evaluation</b>	A		c,I/liq	345.95 K, $\Delta H = 79956 \text{ J}\cdot\text{mol}^{-1}$	
					$\Delta S = 231.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
 			<b>Molecular Weight</b>	478.9270	
$C_{34}H_{54}$ (c)		83KRA/BEC	<b>Wiswesser Line Notation</b>	34H	
4,5-Dipropyl-4,5-bis(4- <i>tert</i> -butylphenyl)octane			<b>Evaluation</b>	B	
<b>Heat Capacity</b>	298 K, $C_p = 724.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		  		
One temperature. $C_p$ given as 0.374 cal. $\text{K}^{-1}\cdot\text{g}^{-1}$ .			$C_{35}H_{52}N_2O_3$ (c)		88FAN/POE
<b>Molecular Weight</b>	462.8006		4-n-Pentanoyl-4- <i>n</i> '-octadecanoyloxyazobenzene		
<b>Wiswesser Line Notation</b>	1XR DX3&3&X3&3&R DX		<b>Phase Changes</b>		
<b>Evaluation</b>	B		c,II/c,II	339.6 K, $\Delta H = 5305 \text{ J}\cdot\text{mol}^{-1}$	
					$\Delta S = 15.62 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
 			c,II/c,I	367.5 K, $\Delta H = 8268 \text{ J}\cdot\text{mol}^{-1}$	
$C_{34}H_{64}O_4$ (liq)		76PHI/MAT			$\Delta S = 22.50 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Di- <i>n</i> -dodecyl sebacate			c,I/liq	379.3 K, $\Delta H = 51827 \text{ J}\cdot\text{mol}^{-1}$	
<b>Heat Capacity</b>	368 K, $C_p = 1117 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$				$\Delta S = 136.64 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 368 to 408 K.			Solid-smectic A.		
<b>Molecular Weight</b>	536.8772		liq/liq	397.3 K, $\Delta H = 10447 \text{ J}\cdot\text{mol}^{-1}$	
<b>Wiswesser Line Notation</b>	12OV8VO12				$\Delta S = 26.30 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Evaluation</b>	C		Smectic A-isotropic.		
			<b>Molecular Weight</b>	548.8074	
			<b>Wiswesser Line Notation</b>	17VOR DNUNR DV4	
			<b>Evaluation</b>	A	

$C_{35}H_{72}$ (c,II)		31GAR/VAN	$C_{36}H_{46}Fe_3N_4O_{13}$ (c)	87SOR/SHI
<i>n</i> -Pentatriacotane			Mixed valence iron oxo-centered complex with acetate and 3-methyl pyridine	
<b>Heat Capacity</b>	302 K, Temperature range 290 to 373 K. Mean value, 17 to 41 °C.	$C_p = 915.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	299.635 K, $C_p = 1094.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Phase Changes</b>	c,II/c,I	$\Delta H = 41087 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 119.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ $\beta$ - $\alpha$ transition.	c,V/c,IV	181 K
	c,I/liq	$\Delta H = 86400 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 248.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	c,IV/c,III	263.5 K
<b>Molecular Weight</b>	492.9538		c,III/c,II	271.5 K
<b>Wiswesser Line Notation</b>	35H		c,II/c,I	282.2 K
<b>Evaluation</b>	B		<b>Molecular Weight</b>	910.3194
$C_{36}H_{18}$ (c)		79FAR/SHA	<b>Wiswesser Line Notation</b>	-FE-3 O & T6NJ C1 3 & OV1 6 & T6NJ C1
Decacyclene; Diacenaphtho[1,2-j:1',2'-1]-fluoranthene			<b>Evaluation</b>	A
<b>Phase Changes</b>	c,II/c,I	533 K		Cumulative enthalpy and entropy changes due to the four phase transitions were: $\Delta H = 3410 \text{ J}\cdot\text{mol}^{-1}$ , $\Delta S = 13.71 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ .
	c/liq	562.0 K,		
		$\Delta H = 45200 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 80.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		
<b>Molecular Weight</b>	450.5382			
<b>Wiswesser Line Notation</b>	I. F6 E-6 D5 P6 P-6 O5 C6566 3AC-P- K&J			
<b>Evaluation</b>	B			
$C_{36}H_{24}$ (c)		67MAG	$C_{36}H_{46}O_4$ (c)	84OZC/ASR
1,3,5-Tri-2-naphthylbenzene			4,4'-Didecanoxyloxydiphenyldiacetylene	
<b>Heat Capacity</b>	300 K,	$C_p = 481 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Phase Changes</b>	
Temperature range 200 to 560 K. Estimated, data graphically only. Also data for glass.			c,II/c,I	308 K, $\Delta H = 44900 \text{ J}\cdot\text{mol}^{-1}$
<b>Phase Changes</b>	c/liq	472 K,	c,II/liq	$\Delta S = 122.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
		$\Delta H = 42425 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 89.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		$\Delta H = 42200 \text{ J}\cdot\text{mol}^{-1}$
<b>Molecular Weight</b>	456.5856			$\Delta S = 104.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Wiswesser Line Notation</b>	L66J C- R CCL66J& E- CL66J			Solid-isotropic.
<b>Evaluation</b>	C			
$C_{36}H_{30}OSi_2$ (c)		86DZH/KUL	<b>Molecular Weight</b>	542.7570
Hexaphenylsiloxane			<b>Wiswesser Line Notation</b>	9VOR D1UU2UU1R DOV9
<b>Heat Capacity</b>	298.15 K,	$C_p = 681 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Evaluation</b>	A
Temperature range 4 to 300 K. $C_p(c) = 124 + 1.726T + 5.6 \times 10^{-1}T^2$ (150 to 300 K).				
<b>Entropy</b>	298.15 K,	$S = 754.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		
<b>Molecular Weight</b>	534.8034			
<b>Wiswesser Line Notation</b>	R-SI-R&R&O-SI-R&R&R			
<b>Evaluation</b>	A			
$C_{36}H_{30}O_3Si_3$ (c)		82KUL/DZH	$C_{36}H_{48}N_2O_2$ (c)	92CHE/JIN
Hexaphenylcyclotrisiloxane			N,N'-Bis(4-n-octyloxybenzal)-1,4-phenylenediamine	
<b>Heat Capacity</b>	298.15 K,	$C_p = 683.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K, $C_p = 805.69 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 4.7 to 300 K. Data given graphically except for data at 298.15 K.			Temperature range 130 to 550 K. $C_p(\text{liq}) = 1433.2 - 0.3084T \text{ J/K}\cdot\text{mol}$ (530 to 550 K).	
<b>Entropy</b>	298.15 K,	$S = 735.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Phase Changes</b>	
<b>Molecular Weight</b>	594.8877		c,III/liq	$\Delta H = 44360 \text{ J}\cdot\text{mol}^{-1}$
<b>Wiswesser Line Notation</b>	T6-SI-O-SI-O-SI-OTJ AR AR CR CR ER ER			$\Delta S = 106.04 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Evaluation</b>	B			Total for the series of transitions over temperature range 385.50 to 504.76 K.
<b>C<sub>36</sub>H<sub>48</sub>Ni<sub>4</sub>O<sub>16</sub></b> (c)			<b>Molecular Weight</b>	540.7874
Tetra- $\mu_3$ -methoxy-tetrakis-[salicylaldehydato (methanol)nickel(II)]			<b>Wiswesser Line Notation</b>	80R DYUNR DNUYR DO8
<b>Heat Capacity</b>	284.664 K,	$C_p = 1038.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Evaluation</b>	B
Temperature range 0.4 to 288 K. Unsmoothed experimental datum.				
<b>Molecular Weight</b>	971.5656			
<b>Wiswesser Line Notation</b>	VHR BO .NI O1 &O1 &4			
<b>Evaluation</b>	A			
$C_{36}H_{60}O_{30}$ (c)		90BR1/WAT		
$\alpha$ -Cyclodextrin: Cyclohexaamylose				
<b>Heat Capacity</b>	298.15 K,	$C_p = 1153 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		
Estimated value.				
<b>Molecular Weight</b>	972.8520			
<b>Wiswesser Line Notation</b>	T5OTJ B* CQ DQ EQ* F1Q/ 6			
<b>Evaluation</b>	B			

<b>C<sub>36</sub>H<sub>70</sub>O<sub>4</sub>Cd</b> (c)		78KON/RUF	<b>C<sub>36</sub>H<sub>74</sub></b> (liq)		69ATK/LAR
Cadmium(II) <i>n</i> -octadecanoate			<i>n</i> -Hexatriacontane		
<b>Phase Changes</b>			<b>Heat Capacity</b> 353 K, $C_p = 1206 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		
c/liq	380 K,	$\Delta H = 19600 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 51 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	Temperature range 353 to 453 K. Equation only.		
Crystal-mesophase(1).			<b>Molecular Weight</b> 506.9806		
liq/liq	386.2 K,	$\Delta H = 22800 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 59 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Wiswesser Line Notation</b> 36H		
Mesophase(1)-mesophase(2).			<b>Evaluation</b> C		
liq/liq	391.2 K,	$\Delta H = 26200 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 67 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
Mesophase(2)-liquid.					
<b>Molecular Weight</b> 679.3566					
<b>Wiswesser Line Notation</b> OV17 2 .CD					
<b>Evaluation</b> B					
<b>C<sub>36</sub>H<sub>70</sub>HgO<sub>4</sub></b> (liq)		78ADE	<b>C<sub>36</sub>H<sub>74</sub></b> (c)		73COM
Mercuric octadecanoate; Mercuric stearate			<i>n</i> -Hexatriacontane		
<b>Heat Capacity</b> 410 K, $C_p = 1377.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			<b>Phase Changes</b>		
Mean value, 391 to 433 K. Data only graphically for solid.			c,III/c,II	345.35 K,	$\Delta H = 9916 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 28.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Phase Changes</b>			c,II/c,I	347.05 K,	$\Delta H = 30543 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 88.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c,II/c,I	355.2 K,	$\Delta H = 4400 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 12.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	c,I/liq	349.15 K,	$\Delta H = 130666 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 374.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c,I/liq	383.2 K,	$\Delta H = 116500 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 296.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
<b>Molecular Weight</b> 767.5366					
<b>Wiswesser Line Notation</b> OV17 2 .HG					
<b>Evaluation</b> C					
<b>C<sub>36</sub>H<sub>70</sub>O<sub>4</sub>Pb</b> (c)		76ADE/SIM	<b>C<sub>36</sub>H<sub>74</sub></b> (c)		81HOE
Lead(II) <i>n</i> -octadecanoate			<i>n</i> -Hexatriacontane		
<b>Phase Changes</b>			<b>Heat Capacity</b> 300 K, $C_p = 840 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		
c/liq	381.2 K,	$\Delta H = 62600 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 164 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	Temperature range 300 to 500 K. $C_v = 1.64 \text{ J}\cdot\text{g}^{-1}\cdot\text{K}^{-1}$ .		
Crystal-smectic.			<b>Molecular Weight</b> 506.9806		
liq/liq	387.2 K,	$\Delta H = 56900 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 147 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Wiswesser Line Notation</b> 36H		
Smectic-liquid.			<b>Evaluation</b> B		
<b>Molecular Weight</b> 774.1466					
<b>Wiswesser Line Notation</b> OV17 2 .PB					
<b>Evaluation</b> B					
<b>C<sub>36</sub>H<sub>70</sub>O<sub>4</sub>Zn</b> (c)		78KON/RUF	<b>C<sub>36</sub>H<sub>80</sub>CdCl<sub>4</sub>N<sub>2</sub></b> (c)		84WHI
Zinc(II) <i>n</i> -octadecanoate			Bis(octadecylammonium) cadmium tetrachloride		
<b>Phase Changes</b>			<b>Heat Capacity</b> 300 K, $C_p = 1010 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		
c/liq	403 K,	$\Delta H = 103000 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 256 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	Temperature range 10 to 370 K. Data given graphically. Value estimated from graph.		
<b>Molecular Weight</b> 632.3266			<b>Phase Changes</b>		
<b>Wiswesser Line Notation</b> OV17 2 .ZN			c,V/c,IV	349.6 K,	$\Delta H = 49500 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 132 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Evaluation</b> B			c,IV/c,III	356.0 K,	$\Delta H = 2300 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 6.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
 			c,III/c,II	359.5 K,	$\Delta H = 3500 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 9.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>C<sub>36</sub>H<sub>74</sub></b> (c)		55SCH/BUS	c,II/c,I	365.6 K,	$\Delta H = 34300 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 95 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<i>n</i> -Hexatriacontane					
<b>Phase Changes</b>					
c,III/c,II	345.25 K,	$\Delta H = 9916 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 28.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
c,II/c,I	346.95 K,	$\Delta H = 30543 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 88.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
c,I/liq	349.05 K,	$\Delta H = 88826 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 254.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
<b>Molecular Weight</b> 506.9806					
<b>Wiswesser Line Notation</b> 36H					
<b>Evaluation</b> B					
<b>C<sub>38</sub>H<sub>28</sub>B<sub>2</sub>F<sub>8</sub>FeN<sub>8</sub></b> (c)			<b>C<sub>37</sub>H<sub>54</sub>Si</b> (liq)		60BAR/BOL
Bis(1,10-phenanthroline-2-carbaldehyde phenylhydrazone) iron(II) ditetrafluoroborate			Tribenzyl- <i>n</i> -hexadecylsilane		
<b>Phase Changes</b>			<b>Heat Capacity</b> 313 K, $C_p = 904 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		
c,II/c,I	280.3 K,		Temperature range 40 to 240 °C.		
<b>Molecular Weight</b> 526.9191			<b>Molecular Weight</b> 526.9191		
<b>Wiswesser Line Notation</b> T B666 CN NN $\phi$ J D1UNMR $\phi$ -FE- $\phi$ T B666 CN NN $\phi$ J D1UNMR &B-F4 2			<b>Evaluation</b> B		
<b>Evaluation</b> A					

$C_{38}H_{28}Cl_2FeN_8O_8$ (c)		87KUL/IYE	$C_{38}H_{74}O_4$ (liq)		76PHI/MAT
Bis(1,10-phenanthroline-2-carbaldehyde phenylhydrazone) iron(II) diperchlorate			Di-n-tetradecylsebacate		
<b>Phase Changes</b>			<b>Heat Capacity</b>	343 K,	$C_p = 1247 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c,II/c,I	244.8 K,	$\Delta H = 15800 \text{ J}\cdot\text{mol}^{-1}$	Temperature range	343 to 433 K.	
		$\Delta S = 64.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Molecular Weight</b>	595.0002	
Spin-state transition.			<b>Wiswesser Line Notation</b>	14OV8VO14	
<b>Molecular Weight</b>	851.4410		<b>Evaluation</b>	C	
<b>Wiswesser Line Notation</b>	T B666 CN NN $\phi$ J D1UNMR $\phi$ -FE- $\phi$ T B666				
CN NN $\phi$ J D1UNMR &G-O4 2					
<b>Evaluation</b>	A				
$C_{38}H_{36}O_4Si_4$ (c)		82KUL/DZH2	$C_{38}H_{74}O_4Pb$ (c,II)		78ADE/SIM
1,1,3,3,5,5-Hexaphenyl-7,7-dimethylcyclotetrasiloxane			Lead(II) nonadecanoate		
<b>Heat Capacity</b>	298.15 K,	$C_p = 815.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>		
Temperature range	12 to 340 K.		Data only graphically for c,III.		
<b>Entropy</b>	298.15 K,	$S = 865.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Phase Changes</b>		
<b>Molecular Weight</b>	669.0420		c,III/c,II	383.8 K,	$\Delta H = 75900 \text{ J}\cdot\text{mol}^{-1}$
<b>Wiswesser Line Notation</b>	T8-SI-O-SI-O-SI-OJ AR AR C1 C1 ER ER GR				$\Delta S = 198 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
GR			c,II and c,I are mesophases.		
<b>Evaluation</b>	A		c,II/c,I	389.1 K,	$\Delta H = 64300 \text{ J}\cdot\text{mol}^{-1}$
					$\Delta S = 165 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
			<b>Molecular Weight</b>	802.2002	
			<b>Wiswesser Line Notation</b>	OV18 2 .PB	
			<b>Evaluation</b>	C	
$C_{38}H_{50}O_4$ (c)		84OZC/ASR	$C_{39}H_{30}N_6$ (c)		84LEB/BYK
4,4'-Diundecanoyloxydiphenyldiacetylene			Hexaphenylisomelamine		
<b>Phase Changes</b>			<b>Heat Capacity</b>	298.15 K,	$C_p = 672.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c,III/c,II	339 K,	$\Delta H = 18100 \text{ J}\cdot\text{mol}^{-1}$	Temperature range	8 to 330 K.	
		$\Delta S = 53.54 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Entropy</b>	298.15 K,	$S = 706.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c,II/c,I	359 K,	$\Delta H = 7590 \text{ J}\cdot\text{mol}^{-1}$	<b>Molecular Weight</b>	582.7062	
		$\Delta S = 21.14 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Wiswesser Line Notation</b>	T6NYNYNYJ AR BUNR CR DUNR ER	
c,I/liq	399 K,	$\Delta H = 36200 \text{ J}\cdot\text{mol}^{-1}$	FUNR		
		$\Delta S = 90.85 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Evaluation</b>	A	
Solid-isotropic.					
<b>Molecular Weight</b>	570.8106				
<b>Wiswesser Line Notation</b>	1OOVR D1UU2UU1R DOV10				
<b>Evaluation</b>	A				
$C_{38}H_{62}$ (c)		83KRA/BEC	$C_{39}H_{30}N_6$ (c)		84LEB/BYK
5,6-Dibutyl-5,6-bis(4- <i>tert</i> -butylphenyl)decane			Hexaphenylmelamine		
<b>Heat Capacity</b>	298 K,	$C_p = 805.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	298.15 K,	$C_p = 665.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
One temperature. $C_p$ given as 0.371 cal. $\text{K}^{-1}\cdot\text{g}^{-1}$ .			Temperature range	10 to 330 K.	
<b>Molecular Weight</b>	518.9078		<b>Entropy</b>	298.15 K,	$S = 673.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Wiswesser Line Notation</b>	1XR DX4&4&X4&4&R DX		<b>Molecular Weight</b>	582.7062	
<b>Evaluation</b>	B		<b>Wiswesser Line Notation</b>	T6N CN ENJ BNRR DNR&R FNR&R	
 			<b>Evaluation</b>	A	
$(C_{38}H_{70}O_8)_n$ (liq)		75PHI/WAL	$C_{39}H_{74}O_6$ (liq)		47CHA/SIN
Poly(hexamethylene sebacate)			Trilauryl; Glyceryl trilaurate		
<b>Heat Capacity</b>	328.15 K,	$C_p = 1290 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	330.7 K,	$C_p = 1355.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range	328.15 to 408.15 K.		Temperature range	90 to 370 K. Value is unsmoothed experimental datum.	
<b>Phase Changes</b>			<b>Entropy</b>	298.15 K,	$S = 1071.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c/liq	306 K		For c, $\beta$ : Extrapolation below 90 K, 339 J. $\text{mol}^{-1}\cdot\text{K}^{-1}$ .		
<b>Molecular Weight</b>	654.9662		<b>Phase Changes</b>		
<b>Wiswesser Line Notation</b>	60V8VO6VO8VO6		c, $\beta$ /liq	319.5 K,	$\Delta H = 123510 \text{ J}\cdot\text{mol}^{-1}$
<b>Evaluation</b>	B				$\Delta S = 386.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
 			<b>Molecular Weight</b>	639.0100	
			<b>Wiswesser Line Notation</b>	11VO1YOV11&1OV11	
			<b>Evaluation</b>	C	
$C_{38}H_{70}O_8$ (liq)		76PHI/MAT	$C_{39}H_{74}O_6$ (liq)		76PHI/MAT
Dihexyl hexamethylene-1,6-disebacate			Trilauryl; Glyceryl trilaurate		
<b>Heat Capacity</b>	328 K,	$C_p = 1293 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	323 K,	$C_p = 1305 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range	328 to 408 K.		Temperature range	323 to 398 K.	
<b>Molecular Weight</b>	654.9662		<b>Molecular Weight</b>	639.0100	
<b>Wiswesser Line Notation</b>	60V8VO6VO8VO6		<b>Wiswesser Line Notation</b>	11VO1YOV11&1OV11	
<b>Evaluation</b>	C		<b>Evaluation</b>	C	

<b>C<sub>40</sub>H<sub>54</sub>O<sub>4</sub></b> (c) 4,4'-Didodecanoyloxydiphenyldiacetylene <b>Phase Changes</b> c,II/c,I      374 K, $\Delta H = 50200 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 134.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ c,I/liq      401 K, $\Delta H = 44000 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 109.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Solid-isotropic. <b>Molecular Weight</b> 598.8642 <b>Wiswesser Line Notation</b> 11OVR D1UU2UU1R DOV11 <b>Evaluation</b> A	84OZC/ASR	<b>C<sub>42</sub>H<sub>66</sub>O<sub>12</sub></b> (c) Benzene-hexa- <i>n</i> -hexanoate <b>Heat Capacity</b> 300 K, $C_p = 1300 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Temperature range 13 to 393 K. Data given graphically. $C_p$ value is a graphical estimate. <b>Phase Changes</b> c,IV/c,III      251.58 K, $\Delta H = 25660 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 102.67 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ c,III/c,II      291.46 K, $\Delta H = 12270 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 46.11 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ c,II/c,I      348.27 K, $\Delta H = 16260 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 46.68 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ c,I/liq      368.74 K, $\Delta H = 33500 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 90.86 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ <b>Molecular Weight</b> 762.9762 <b>Wiswesser Line Notation</b> 5OVR BVO5 CVO5 DVO5 EVO5 FVO5 <b>Evaluation</b> B( $C_p$ ); A(Phase changes)	79SOR/TSU
<b>C<sub>40</sub>H<sub>76</sub>N<sub>2</sub>O<sub>4</sub>·6H<sub>2</sub>O</b> (liq) Bis-(tetra- <i>n</i> -butylammonium) <i>m</i> -phthalate clathrate hydrate <b>Phase Changes</b> c/liq      288.65 K, $\Delta H = 334000 \text{ J}\cdot\text{mol}^{-1}$ <b>Molecular Weight</b> 1747.9786 <b>Wiswesser Line Notation</b> QVR CVQ &K4&4&4&4 2 &QH 61 <b>Evaluation</b> A	89STR/STU	<b>C<sub>42</sub>H<sub>66</sub>O<sub>12</sub></b> (c) Benzene-hexa- <i>n</i> -hexanoate <b>Heat Capacity</b> 298.15 K, $C_p = 1294.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Temperature range 13 to 393 K. <b>Entropy</b> 298.15 K, $S = 1380.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ <b>Phase Changes</b> c,IV/c,III      251.58 K, $\Delta H = 25665 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 102.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Transition has a large amount of first-order character. c,III/c,II      291.46 K, $\Delta H = 12272 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 46.69 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Anomalous transition. c,II/c,I      348.27 K, $\Delta H = 16259 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 46.69 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ c,I/liq      368.74 K, $\Delta H = 33501 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 90.88 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ <b>Molecular Weight</b> 762.9762 <b>Wiswesser Line Notation</b> 5OVR BVO5 CVO5 DVO5 EVO5 FVO5 <b>Evaluation</b> A	80SOR/TSU
<b>C<sub>40</sub>H<sub>76</sub>N<sub>2</sub>O<sub>4</sub>·6H<sub>2</sub>O</b> (liq) Bis-(tetra- <i>n</i> -butylammonium) <i>p</i> -phthalate clathrate hydrate <b>Phase Changes</b> c/liq      293.45 K, $\Delta H = 382000 \text{ J}\cdot\text{mol}^{-1}$ <b>Molecular Weight</b> 1765.9938 <b>Wiswesser Line Notation</b> QVR BVQ &K4&4&4&4 2 &QH 62 <b>Evaluation</b> A	89STR/STU	<b>C<sub>42</sub>H<sub>70</sub>O<sub>35</sub></b> (c) <i>β</i> -Cyclodextrin; Cycloheptaamylose <b>Heat Capacity</b> 298.15 K, $C_p = 1342 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ One temperature. <b>Molecular Weight</b> 1134.9940 <b>Wiswesser Line Notation</b> /T5OTJ B* CQ DQ EQ* F1Q/ 7 <b>Evaluation</b> B	90BRI/WAD
<b>C<sub>41</sub>H<sub>72</sub>O<sub>2</sub></b> (c) Cholestryl myristate <b>Heat Capacity</b> C <sub>p</sub> data given graphically only. Temperature range 270 to 370 K. <b>Phase Changes</b> c/liq      346.8 K, $\Delta H = 46690 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 134.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Solid-smectic transition. liq/liq      352.9 K, $\Delta H = 1300 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 3.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Solid-cholesteric transition. liq/liq      358.7 K, $\Delta H = 1025 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 2.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Cholesteric-isotropic transition. <b>Molecular Weight</b> 597.0186 <b>Wiswesser Line Notation</b> L E5 B666 LUTJ A1 E1 FY1&3Y1&1 OOV13 <b>Evaluation</b> B	67BAR/POR	<b>C<sub>42</sub>H<sub>70</sub>O<sub>35</sub>·11H<sub>2</sub>O</b> (c) <i>β</i> -Cyclodextrin undecahydrate; Cycloheptaamylose undecahydrate <b>Heat Capacity</b> 299.53 K, $C_p = 2093 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Temperature range 13 to 300 K. Unsmoothed experimental datum. <b>Phase Changes</b> c,II/c,I      226 K, $\Delta S = 45.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ <b>Molecular Weight</b> 1333.1612 <b>Wiswesser Line Notation</b> /T5OTJ B* CQ DQ EO* F1Q/ 7 <b>Evaluation</b> A $T(\text{glass}) = 150 \text{ K}$ .	87HAN/MAT
<b>C<sub>41</sub>H<sub>72</sub>O<sub>2</sub></b> (c) Cholestryl myristate <b>Phase Changes</b> c,I/liq      344.6 K, $\Delta H = 47100 \text{ J}\cdot\text{mol}^{-1}$ Solid-smectic transition. liq/liq      353.0 K, $\Delta H = 1600 \text{ J}\cdot\text{mol}^{-1}$ Smectic-cholesteric. liq/liq      358.3 K, $\Delta H = 1100 \text{ J}\cdot\text{mol}^{-1}$ Cholesteric-isotropic. <b>Molecular Weight</b> 597.0186 <b>Wiswesser Line Notation</b> L E5 B666 LUTJ A1 E1 FY1&3Y1&1 OOV13 <b>Evaluation</b> A	86KIS/IWA	<b>C<sub>42</sub>H<sub>72</sub>O<sub>12</sub></b> (c) Hexa- <i>o</i> -hexanoyl-scylo-inositol <b>Phase Changes</b> c/liq      341.6 K, $\Delta H = 21150 \text{ J}\cdot\text{mol}^{-1}$ Solid-discotic. liq/liq      472.6 K, $\Delta H = 8840 \text{ J}\cdot\text{mol}^{-1}$ Discotic-isotropic. <b>Molecular Weight</b> 769.0236 <b>Wiswesser Line Notation</b> L6TJ AOV5 BOV5 COV5 DOV5 EOVS FOV5 <b>Evaluation</b> A	84KOH/PRA

$C_{42}H_{82}O_4$ (liq)		76PHI/MAT	$C_{45}H_{78}O_2$ (c)		86KIS/IWA
Di-n-hexadecyl sebacate			Cholesteryl olate		
<b>Heat Capacity</b> 353 K,	$C_p = 1460 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Phase Changes</b>		
Temperature range 353 to 384 K.			c,I/liq	321.1 K, $\Delta H = 2900 \text{ J}\cdot\text{mol}^{-1}$	
<b>Molecular Weight</b> 651.1074			Solid <sub>1</sub> -isotropic. Solid <sub>2</sub> -isotropic also given:		
<b>Wiswesser Line Notation</b> 16OV8VO16			317.4 K, $\Delta H = 2700 \text{ J}\cdot\text{mol}^{-1}$		
<b>Evaluation</b> C			315.9 K, $\Delta H = 1300 \text{ J}\cdot\text{mol}^{-1}$		
			321.0 K, $\Delta H = 840 \text{ J}\cdot\text{mol}^{-1}$		
$C_{42}H_{86}$ (liq)		69ATK/LAR	liq/liq	$\Delta S = 8.51 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
n-Dotetracontane				$\Delta S = 4.12 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Heat Capacity</b> 353 K, $C_p = 1425 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$					
Temperature range 353 to 453 K. Equation only.					
<b>Molecular Weight</b> 591.1414					
<b>Wiswesser Line Notation</b> 42H					
<b>Evaluation</b> C					
$C_{43}H_{26}AsN_8$ (c)		77KOS/SOR2	$C_{45}H_{78}O_2$ (c)		88VOE/MAR
Methyltriphenylarsonium bis[7,7,8,8-tetracyanoquinodimethane]			Cholesteryl olate		
<b>Heat Capacity</b> 300 K, $C_p = 879.74 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			<b>Phase Changes</b>		
Temperature range 12 to 350 K.			c,I/liq	314.52 K, $\Delta H = 19500 \text{ J}\cdot\text{mol}^{-1}$	
<b>Entropy</b> 300 K, $S = 982.05 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			Crystalline/Smectic A.		
<b>Molecular Weight</b> 729.6536			liq/liq	322.24 K, $\Delta H = 980 \text{ J}\cdot\text{mol}^{-1}$	
<b>Wiswesser Line Notation</b> L6Y DYJ AYCN&CN DYCN&CN 2			Smectic A/Cholesteric.		
&1-AS-R&R&			liq/liq	326.73 K, $\Delta H = 18 \text{ J}\cdot\text{mol}^{-1}$	
<b>Evaluation</b> A			Cholesteric/BPI.		
			liq/liq	327.54 K, $\Delta H = 12 \text{ J}\cdot\text{mol}^{-1}$	
$C_{43}H_{26}N_8P$ (c)		70KOS/IID	BPI/BPII.		
Methyltriphenylphosphonium bis(7,7,8,8-tetracyanoquinodimethane)			liq/liq	328.02 K, $\Delta H = 485 \text{ J}\cdot\text{mol}^{-1}$	
<b>Heat Capacity</b> 300 K, $C_p = 858 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			BPII/Isotropic.		
Temperature range 5 to 350 K. Data given graphically only. Value estimated from graph.			<b>Molecular Weight</b> 651.1100		
<b>Molecular Weight</b> 685.7058			<b>Wiswesser Line Notation</b> L E5 B666 LUTJ A1 E1 FY1&3Y1&1 OOV8U9		
<b>Wiswesser Line Notation</b> L6Y DYJ AYCN&CN DYCN&CN 2			<b>Evaluation</b> A		
&1PR&R&R					
<b>Evaluation</b> C					
$C_{43}H_{26}N_8P$ (c,II)		77KOS/SOR2	$C_{45}H_{80}O_2$ (c)		86KIS/IWA
Methyltriphenylphosphonium bis(7,7,8,8-tetracyanoquinodimethane)			Cholesteryl stearate		
<b>Heat Capacity</b> 300 K, $C_p = 859.26 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			<b>Phase Changes</b>		
Temperature range 12 to 350 K.			c,I/liq	355.4 K, $\Delta H = 67500 \text{ J}\cdot\text{mol}^{-1}$	
<b>Entropy</b> 300 K, $S = 922.69 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			$\Delta S = 189.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		
<b>Phase Changes</b>					
c,II/c,I	315.65 K, $\Delta H = 2030 \text{ J}\cdot\text{mol}^{-1}$				
	$\Delta S = 6.43 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$				
<b>Molecular Weight</b> 685.7058					
<b>Wiswesser Line Notation</b> L6Y DYJ AYCN&CN DYCN&CN 2					
&1PR&R&R					
<b>Evaluation</b> A					
$C_{43}H_{76}O_2$ (c)		86KIS/IWA	$C_{45}H_{86}O_6$ (liq)		47CHA/SIN
Cholesteryl palmitate			Trimyristin: Glyceryl trimyristate		
<b>Phase Changes</b>			<b>Heat Capacity</b> 331.5 K, $C_p = 1555.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		
c,I/liq	350.4 K, $\Delta H = 56200 \text{ J}\cdot\text{mol}^{-1}$		Temperature range 89 to 365 K. Value is unsmoothed experimental datum. Data for c, $\alpha$ , 192 to 247 K.		
	$\Delta S = 160.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$				
			<b>Entropy</b> 298.15 K, $S = 1246.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		
			For c, $\beta$ . Extrapolation below 90 K, 381.2 $\text{J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ .		
			<b>Phase Changes</b>		
			c, $\alpha$ /liq	305.5 K, $\Delta H = 104685 \text{ J}\cdot\text{mol}^{-1}$	
				$\Delta S = 342.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
			c, $\beta$ /liq	330.2 K, $\Delta H = 152195 \text{ J}\cdot\text{mol}^{-1}$	
				$\Delta S = 460.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Molecular Weight</b> 625.0722			<b>Molecular Weight</b> 723.1708		
<b>Wiswesser Line Notation</b> L E5 B666 LUTJ A1 E1 FY1&3Y1&1 OOV15			<b>Wiswesser Line Notation</b> I3VO1YOV13&1OV13		
<b>Evaluation</b> A			<b>Evaluation</b> C		

<b>C<sub>45</sub>H<sub>86</sub>O<sub>6</sub></b> (liq)		76PHI/MAT	<b>C<sub>48</sub>H<sub>78</sub>O<sub>12</sub></b> (c)		81SOR/SUG
Trimyristin; Glycerol trimyristate			Benzene-hexa- <i>n</i> -heptanoate		
<b>Heat Capacity</b> 333 K,	$C_p = 1481 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K,	$C_p = 1505.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 333 to 433 K.			Temperature range 13 to 393 K.		
<b>Molecular Weight</b> 723.1708			<b>Entropy</b> 298.15 K,	$S = 1530.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
<b>Wiswesser Line Notation</b> 13VO1YOV13&1OV13			<b>Phase Changes</b>		
<b>Evaluation</b> C			c,IV/c,III	129 K,	$\Delta H = 1120 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 8.46 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
					Anomalous or diffuse first-order transition.
<b>C<sub>46</sub>H<sub>47</sub>N<sub>1</sub>O<sub>2</sub></b> (c)		40CAM/CAM	c,III/c,II	222.80 K	Anomalous transition. c,II/c,I 230.81 K First order transition.
<i>p</i> -Nitrosodimethylaniline- $\beta$ -naphthylamine complex; $\beta$ -Naphthylamine- <i>p</i> -nitrosodimethylaniline complex			c,I/meso	353.79 K,	$\Delta H = 32210 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 91.08 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Heat Capacity</b> 293 K,	$C_p = 857.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		meso/iso	359.28 K,	$\Delta H = 21540 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 59.93 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
One temperature.					Triple point is 353.81 K.
<b>Molecular Weight</b> 729.9230					<b>Molecular Weight</b> 847.1370
<b>Wiswesser Line Notation</b> ONR DN1&1 2 &L66J CZ3					<b>Wiswesser Line Notation</b> 6OVR BVO6 CVO6 DVO6 EVO6 FVO6
<b>Evaluation</b> C					<b>Evaluation</b> A
<b>C<sub>46</sub>H<sub>90</sub>O<sub>4</sub></b> (liq)		76PHI/MAT	<b>C<sub>48</sub>H<sub>89</sub>O<sub>40</sub></b> (c)		90BRI/WAD
Di- <i>n</i> -octadecyl sebacate			$\gamma$ -Cyclodextrin; Cyclooctaamylose		
<b>Heat Capacity</b> 353 K,	$C_p = 1481 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 298.15 K,	$C_p = 1568 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 353 to 354 K.			One temperature.		
<b>Molecular Weight</b> 707.2146			<b>Molecular Weight</b> 1297.1360		
<b>Wiswesser Line Notation</b> 18OV8VO18			<b>Wiswesser Line Notation</b> /T5OTJ B* CQ DQ EQ* FIQ/ 8		
<b>Evaluation</b> C			<b>Evaluation</b> B		
<b>C<sub>48</sub>H<sub>40</sub>O<sub>4</sub>Si<sub>4</sub></b> (c)		82KUL	<b>C<sub>48</sub>H<sub>98</sub></b> (liq)		69ATK/LAR
Octaphenylcyclotetrasiloxane			<i>n</i> -Octatetracontane		
<b>Heat Capacity</b> 298.15 K,	$C_p = 932.5 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 353 K,	$C_p = 1595 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 12 to 300 K.			Temperature range 353 to 453 K. Equation only.		
<b>Entropy</b> 298.15 K,	$S = 1044 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Molecular Weight</b> 675.3022		
<b>Molecular Weight</b> 793.1836			<b>Wiswesser Line Notation</b> 48H		
<b>Wiswesser Line Notation</b> T8SIOSIOSIOSIOJ AR AR CR CR ER ER GR			<b>Evaluation</b> C		
GR					
<b>Evaluation</b> A					
<b>C<sub>48</sub>H<sub>78</sub>O<sub>12</sub></b> (c)		79SOR/TSU	<b>C<sub>51</sub>H<sub>98</sub>O<sub>6</sub></b> (liq)		47CHA/SIN
Benzene-hexa- <i>n</i> -heptanoate			Tripalmitin; Glycerol tripalmitate		
<b>Heat Capacity</b> 300 K,	$C_p = 1500 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$		<b>Heat Capacity</b> 338.8 K,	$C_p = 1753.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
Temperature range 13 to 393 K. Data given graphically. $C_p$ value is a graphical estimate.			Temperature range 87 to 369 K. Value is unsmoothed experimental datum. Data for c, $\alpha$ , 195 to 252 K.		
<b>Phase Changes</b>			<b>Entropy</b> 298.15 K,	$S = 1387.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	
c,IV/c,III	129 K,	$\Delta H = 1120 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 8.46 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	For c, $\alpha$ , $\beta$ : extrapolation below 90 K, 415.1 $\text{J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ .		
c,III/c,II	222.80 K		<b>Phase Changes</b>		
c,II/c,I	230.81 K,	$\Delta H = 11500 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 50.44 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	c, $\alpha$ /liq	317.9 K,	$\Delta H = 126335 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 397.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Combination of transition c,III/c,II and c,II/c,I.			c, $\beta$ /liq	338.9 K,	$\Delta H = 179370 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 529.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c,I/liq	353.79 K,	$\Delta H = 32210 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 91.08 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
Solid-mesophase.			<b>Molecular Weight</b> 807.3316		
liq/liq	359.28 K,	$\Delta H = 21540 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 59.93 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Wiswesser Line Notation</b> 15VO1YOV15&1OV15		
Mesophase-liquid transition.			<b>Evaluation</b> C		
<b>Molecular Weight</b> 847.1370					
<b>Wiswesser Line Notation</b> 6OVR BVO6 CVO6 DVO6 EVO6 FVO6					
<b>Evaluation</b> A(Phase changes), B( $C_p$ )					
<b>C<sub>51</sub>H<sub>98</sub>O<sub>6</sub></b> (liq)		76PHI/MAT			
Tripalmitin; Glycerol tripalmitate					
<b>Heat Capacity</b> 343 K,	$C_p = 1665 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$				
Temperature range 343 to 418 K.					
<b>Molecular Weight</b> 807.3316					
<b>Wiswesser Line Notation</b> 15VO1YOV15&1OV15					
<b>Evaluation</b> C					

$C_{54}H_{72}O_{12}$	(c,III)	90SOR/ASA	$C_{54}H_{98}O_{12}$	(liq)	76PHI/MAT
2,3,6,7,10,11-Hexa- <i>n</i> -hexyloxytriphenylene			Dihexyl bis(hexamethylene-1,6-)trisobacate		
<b>Heat Capacity</b>	298.15 K,	$C_p = 1498.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	333 K,	$C_p = 1828 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 17 to 397 K.			Temperature range 333 to 433 K.		
<b>Entropy</b>	298.15 K,	$S = 1396.546 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Molecular Weight</b>	939.3610	
<b>Phase Changes</b>			<b>Wiswesser Line Notation</b>	6OV8VO6VO8VO6VO8VO6	
c,VI/c,V	105.90 K,	$\Delta H = 1160 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 13.43 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Evaluation</b>	C	
c,V/c,IV	220.86 K,	$\Delta H = 1950 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 5.56 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
c,IV/c,III	233.91 K,	$\Delta H = 1300 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 8.83 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
c,III/c,II	330.81 K,	$\Delta H = 3060 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 9.59 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
c,II/c,I	337.10 K,	$\Delta H = 2510 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 7.46 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
<b>Molecular Weight</b>	913.1556				
<b>Wiswesser Line Notation</b>	L B6 H666J DOR EOR JOR KOR POR OOR				
<b>Evaluation</b>	A				
c,I/liq, 340.27K, $\Delta H = 39050 \text{ J}\cdot\text{mol}^{-1}$ , $\Delta S = 114.91 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ ; discotic liq/isotropic liq, 371.17K, $\Delta H = 5240 \text{ J}\cdot\text{mol}^{-1}$ , $\Delta S = 14.13 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ .					
$C_{54}H_{90}O_{12}$	(c)	82SOR/YOS	$C_{57}H_{110}O_6$	(liq)	47CHA/SIN
Benzene-hexa- <i>n</i> -octanoate			Tristearin; Glycerol tristearate		
<b>Heat Capacity</b>	298.15 K,	$C_p = 2131.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	346.5 K,	$C_p = 1969.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Temperature range 13 to 393 K.			Temperature range 96 to 372 K. Value is unsmoothed experimental datum. Data for c, $\alpha$ , 192 to 226 K.		
<b>Entropy</b>	298.15 K,	$S = 1514.2 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Entropy</b>	298.15 K,	$S = 1534.7 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
<b>Phase Changes</b>			For c, $\beta$ : extrapolation below 90 K, 462.8 $\text{J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ .		
c,II/c,I	301.89 K,	$\Delta H = 48960 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 164.01 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Phase Changes</b>		
c,I/liq	355.10 K,	$\Delta H = 46070 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 129.81 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	c, $\alpha$ /liq	327.2 K,	$\Delta H = 145080 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 443.4 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
Solid-columnar mesophase transition.			c, $\beta$ /liq	345.7 K,	$\Delta H = 203260 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 588.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
liq/liq	357.09 K,	$\Delta H = 19220 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 53.77 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$			
Columnar mesophase-isotropic liquid transition.			<b>Molecular Weight</b>	891.4924	
<b>Molecular Weight</b>	931.2978		<b>Wiswesser Line Notation</b>	17VO1YOV16&1OV16	
<b>Wiswesser Line Notation</b>	70VR BOV7 COV7 DOV7 EOV7		<b>Evaluation</b>	B	
<b>Evaluation</b>	A				
$C_{54}H_{96}O_{12}$	(c)	84KOH/PRA	$C_{57}H_{110}O_6$	(liq)	76PHI/MAT
Hexa- <i>o</i> -octanoyl-scyllo-inositol			Tristearin; Glycerol tristearate		
<b>Phase Changes</b>			<b>Heat Capacity</b>	353 K,	$C_p = 1975 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$
c/liq	348.6 K,	$\Delta H = 43330 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 124.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	Temperature range 353 to 453 K.		
Solid-discotic.			<b>Molecular Weight</b>	891.4924	
liq/liq	471.6 K,	$\Delta H = 9470 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 20.08 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Wiswesser Line Notation</b>	17VO1YOV17&10V17	
Discotic-isotropic.			<b>Evaluation</b>	C	
<b>Molecular Weight</b>	937.3452				
<b>Wiswesser Line Notation</b>	L6TJ AOV7 BOV7 COV7 DOV7 EOV7				
<b>Evaluation</b>	A				
$C_{54}H_{98}O_{12}$	(liq)	75PHI/WAL	$C_{57}H_{110}O_6$	(c)	84SIM/HOC
Dihexyl bis(hexamethylene-1,6-)trisobacate			Tristearin; Glycerol tristearate		
<b>Heat Capacity</b>	333.15 K,	$C_p = 1850 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>Heat Capacity</b>	300 K	
Temperature range 333.15 to 433.15 K.			Temperature range 190 to 350 K. Heat capacity given for the following solid state phases: ( $\text{J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ ); $\beta$ (mp, 345 K)=1436; $\beta 1'$ (mp, 337 K)=1544; $\beta 2'$ (mp, 334 K)=1615; $\alpha$ (mp, 328 K)=1846.		
<b>Phase Changes</b>			<b>Molecular Weight</b>	891.4924	
c/liq	322 K		<b>Wiswesser Line Notation</b>	17VO1YOV17&10V17	
<b>Molecular Weight</b>	939.3610		<b>Evaluation</b>	B	
<b>Wiswesser Line Notation</b>	6OV8VO6VO8VO6VO8VO6				
<b>Evaluation</b>	B				
$C_{60}$	(c)	91ATA/TAN	$C_{60}$	(c)	
Fullerene			<b>Heat Capacity</b>		
<b>Heat Capacity</b>			Temperature range 80 to 300 K. Data given graphically only.		
<b>Phase Changes</b>					
c,II/c,I	230 K				
Anomaly from 160 to 260 K.					
<b>Molecular Weight</b>	720.6600				
<b>Wiswesser Line Notation</b>	C60				
<b>Evaluation</b>	B				
Anomaly extends from 180 to 260 K, peaking at 230 K.					

<b>C<sub>60</sub></b> (c) Fullerene <b>Phase Changes</b> c/c 257 K, <b>Molecular Weight</b> 720.6600 <b>Wiswesser Line Notation</b> C60 <b>Evaluation</b> B Transition enthalpy changes with sample history, in particular, the degree of crystallinity.	91DWO/FAB $\Delta H = 6945 \text{ J}\cdot\text{mol}^{-1}$	<b>C<sub>60</sub></b> (c) Fullerene <b>Heat Capacity</b> 300 K, $C_p = 550 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Temperature range 13 to 300 K. Data given graphically, only. Value estimated from graph. <b>Phase Changes</b> c,II/c,I 257.6 K, $\Delta H = 7540 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 30.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Excess entropy at 240 and 254 K. <b>Molecular Weight</b> 720.6600 <b>Wiswesser Line Notation</b> C60 <b>Evaluation</b> A $T(\text{glass}) = 86 \text{ K}$ .	92MAT/SUG
<b>C<sub>60</sub></b> (c) Fullerene <b>Phase Changes</b> c,II/c,I 257.2 K, <b>Molecular Weight</b> 720.6600 <b>Wiswesser Line Notation</b> <b>Evaluation</b> B	91DWO/SZW2 $\Delta H = 2710 \text{ J}\cdot\text{mol}^{-1}$	<b>C<sub>60</sub></b> (c) Fullerene <b>Heat Capacity</b> 300 K, $C_p = 556.46 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Temperature range 300 to 800 K. $C_{\text{sat}}(\text{c}) = -136.9 + 2.442(\text{T}/\text{K}) - 2.56 \times 10^{-4}(\text{T}/\text{K})^2 - 6.5 \times 10^{-7}(\text{T}/\text{K})^3 \text{ J/K}\cdot\text{mol}$ (300 to 800 K). Value calculated from equation. <b>Molecular Weight</b> 720.6600 <b>Wiswesser Line Notation</b> C60 <b>Evaluation</b> A	92STE/CHI2
<b>C<sub>60</sub></b> (amorp) Fullerene <b>Heat Capacity</b> Temperature range 210 to 290 K, graphical data only. <b>Phase Changes</b> c/c 260 K, $\Delta H = 2100 \text{ J}\cdot\text{mol}^{-1}$ He atmosphere c/c 260 K, $\Delta H = 600 \text{ J}\cdot\text{mol}^{-1}$ Ar atmosphere <b>Molecular Weight</b> 720.6600 <b>Wiswesser Line Notation</b> C60 <b>Evaluation</b> B Amorphous powder.	92BYS/DID	<b>C<sub>60</sub>O</b> (c) Fullerene epoxide <b>Phase Changes</b> c,II/c,I 278 K, <b>Molecular Weight</b> 736.6594 <b>Wiswesser Line Notation</b> C-60-O <b>Evaluation</b> A	92VAU/IIEI $\Delta H = 4420 \text{ J}\cdot\text{mol}^{-1}$
<b>C<sub>60</sub></b> (c) Fullerene <b>Heat Capacity</b> Temperature range 210 to 290 K, graphical data only. <b>Phase Changes</b> c/c 240 K, $\Delta H = 4900 \text{ J}\cdot\text{mol}^{-1}$ He atmosphere c/c 240 K, $\Delta H = 5300 \text{ J}\cdot\text{mol}^{-1}$ Ar atmosphere c/c 265 K, $\Delta H = 1000 \text{ J}\cdot\text{mol}^{-1}$ He atmosphere c/c 265 K, $\Delta H = 500 \text{ J}\cdot\text{mol}^{-1}$ Ar atmosphere <b>Molecular Weight</b> 720.6600 <b>Wiswesser Line Notation</b> C60 <b>Evaluation</b> B Crushed single crystals.	92BYS/DID	<b>C<sub>60</sub>H<sub>96</sub>O<sub>12</sub></b> (c) 2,3,6,7,10,11-Hexa- <i>n</i> -octanoyloxy triphenylene (solid I) <b>Heat Capacity</b> 298.651 K, $C_p = 2016.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Temperature range 12 to 425 K. Unsmoothed experimental datum. <b>Phase Changes</b> c,I/liq 362.6 K, $\Delta H = 24210 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 66.76 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Crystal/discotic. liq/liq 402.16 K, $\Delta H = 3626 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 9.02 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Discotic/isotropic liquid. <b>Molecular Weight</b> 1081.4772 <b>Wiswesser Line Notation</b> L B6 H666J COV8 DOV8 IOV8 JOV8 OOV8 POV8 <b>Evaluation</b> A	86HEC/KAJ
<b>C<sub>60</sub></b> (c) Fullerene <b>Heat Capacity</b> 298.15 K. Temperature range 120 to 560 K. <b>Phase Changes</b> c,II/c,I 256 K. $\Delta H = 6990 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 27.3 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ <b>Molecular Weight</b> 720.6600 <b>Wiswesser Line Notation</b> C60 <b>Evaluation</b> A	92JIN/CHE $C_p = 536.9 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$	<b>C<sub>60</sub>H<sub>96</sub>O<sub>12</sub></b> (c) 2,3,6,7,10,11-Hexa- <i>n</i> -octanoyloxy triphenylene (solid II) <b>Heat Capacity</b> 299.036 K, $C_p = 2082.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Temperature range 12 to 425 K. Unsmoothed experimental datum. <b>Phase Changes</b> c,II/liq 359.7 K, $\Delta H = 25440 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 71.12 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Crystal/discotic. liq/liq 402.16 K, $\Delta H = 3626 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 9.02 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Discotic/isotropic liquid. <b>Molecular Weight</b> 1081.4772 <b>Wiswesser Line Notation</b> L B6 H666J COV8 DOV8 IOV8 JOV8 OOV8 POV8 <b>Evaluation</b> A	86HEC/KAJ

$C_{66}H_{96}O_{12}$ (c) 2,3,6,7,10,11-Hexa- <i>n</i> -octanoyloxy triphenylene (solid III) <b>Heat Capacity</b> 298.428 K, $C_p = 1956.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Temperature range 12 to 425 K. Unsmoothed experimental datum. <b>Phase Changes</b> c,III/c,I 290 K, $\Delta H = 15320 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 52.8 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Expected phase transition, but not observed. c,III/liq 348 K, $\Delta H = 34770 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 99.91 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Crystal/discotic. liq/liq 402.16 K, $\Delta H = 3626 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 9.02 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Discotic/isotropic liquid. <b>Molecular Weight</b> 1081.4772 <b>Wiswesser Line Notation</b> L B6 H666J COV8 DOV8 IOV8 JOV8 OOV8 POV8 <b>Evaluation</b> A	86HEC/KAJ	$C_{66}H_{120}O_{12}$ (c) Hexa- <i>o</i> -decanoyl-scyllo-inositol <b>Phase Changes</b> c/liq 357.1 K, $\Delta H = 53070 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 148.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Solid-discotic liquid transition. liq/liq 461.8 K, $\Delta H = 10280 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 22.26 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Discotic-isotropic liquid transition. <b>Molecular Weight</b> 1105.6668 <b>Wiswesser Line Notation</b> L6TJ AOV9 BOV9 COV9 DOV9 EOV9 FOV9 <b>Evaluation</b> A	84KOH/PRA
$C_{66}H_{96}O_{12}$ (c) 2,3,6,7,10,11-Hexa- <i>n</i> -octanoyloxy triphenylene <b>Heat Capacity</b> 298.651 K, $C_p = 2016.6 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Temperature range 12 to 365 K. Unsmoothed experimental datum for "Solid-I". <b>Phase Changes</b> c/liq 362.6 K, $\Delta H = 24210 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 66.76 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Solid I-discotic. <b>Molecular Weight</b> 1081.4772 <b>Wiswesser Line Notation</b> L B6 H666J EOV7 FOV7 KOV7 LOV7 QOV7 ROV7 <b>Evaluation</b> A	86VAN/KAJ	$C_{78}H_{108}$ (c) 2,3,6,7,10,11-Hexakis(1-decynyl)triphenylene <b>Phase Changes</b> c/liq 314.15 K, $\Delta H = 63000 \text{ J}\cdot\text{mol}^{-1}$ Crystal/isotropic. <b>Molecular Weight</b> 1045.7112 <b>Wiswesser Line Notation</b> L B6 H666J D1UU9 E1UU9 J1UU9 K1UU9 Q1UU9 <b>Evaluation</b> C	90PRA/KOH
$C_{66}H_{96}O_{12}$ (c) 2,3,6,7,10,11-Hexa- <i>n</i> -octanoyloxy triphenylene <b>Heat Capacity</b> 299.036 K, $C_p = 2082.0 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Temperature range 12 to 425 K. Unsmoothed experimental datum for "solid-II". <b>Phase Changes</b> c/liq 359.7 K, $\Delta H = 25440 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 71.12 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Solid II-discotic. liq/liq 402.16 K, $\Delta H = 3626 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 9.02 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Discotic-isotropic liquid transition. <b>Molecular Weight</b> 1081.4772 <b>Wiswesser Line Notation</b> L B6 H666J EOV7 FOV7 KOV7 LOV7 QOV7 ROV7 <b>Evaluation</b> A	86VAN/KAJ	$C_{84}H_{90}$ (c) Hexakis[(4-pentylphenyl)ethynyl]benzene <b>Phase Changes</b> c/liq 443.55 K, $\Delta H = 44100 \text{ J}\cdot\text{mol}^{-1}$ Crystal/nematic-discotic. liq/liq 458.05 K, $\Delta H = 200 \text{ J}\cdot\text{mol}^{-1}$ Nematic-discotic/isotropic. <b>Molecular Weight</b> 1099.6350 <b>Wiswesser Line Notation</b> 5R1UU1R B1UU1R5 &C1UU1R5 &D1UU1R5 &E1UU1R5 &F1UU1R5 <b>Evaluation</b> C	90PRA/KOH
$C_{66}H_{96}O_{12}$ (c) 2,3,6,7,10,11-Hexa- <i>n</i> -octanoyloxy triphenylene <b>Heat Capacity</b> 298.428 K, $C_p = 1956.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Temperature range 12 to 348 K. Unsmoothed experimental datum for "Solid-III". <b>Phase Changes</b> c/liq 348 K, $\Delta H = 34770 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 9.02 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Solid III -discotic. <b>Molecular Weight</b> 1081.4772 <b>Wiswesser Line Notation</b> L B6 H666J EOV7 FOV7 KOV7 LOV7 QOV7 ROV7 <b>Evaluation</b> A	86VAN/KAJ	$C_{90}H_{102}$ (c) Hexakis[(4-hexylphenyl)ethynyl]benzene <b>Phase Changes</b> c/liq 397.55 K, $\Delta H = 38900 \text{ J}\cdot\text{mol}^{-1}$ Crystal/nematic-discotic. liq/liq 416.05 K, $\Delta H = 200 \text{ J}\cdot\text{mol}^{-1}$ Nematic-discotic/isotropic. <b>Molecular Weight</b> 1183.7958 <b>Wiswesser Line Notation</b> 6R1UU1R B1UU1R6 &C1UU1R6 &D1UU1R6 &E1UU1R6 &F1UU1R6 <b>Evaluation</b> C	90PRA/KOH
$C_{66}H_{96}O_{12}$ (c) 2,3,6,7,10,11-Hexa- <i>n</i> -octanoyloxy triphenylene <b>Heat Capacity</b> 298.428 K, $C_p = 1956.1 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Temperature range 12 to 348 K. Unsmoothed experimental datum for "Solid-III". <b>Phase Changes</b> c/liq 348 K, $\Delta H = 34770 \text{ J}\cdot\text{mol}^{-1}$ $\Delta S = 9.02 \text{ J}\cdot\text{mol}^{-1}\cdot\text{K}^{-1}$ Solid III -discotic. <b>Molecular Weight</b> 1081.4772 <b>Wiswesser Line Notation</b> L B6 H666J EOV7 FOV7 KOV7 LOV7 QOV7 ROV7 <b>Evaluation</b> A	86VAN/KAJ	$C_{96}H_{96}$ (c) 2,3,6,7,10,11-Hexakis[(4-pentylphenyl)ethynyl] triphenylene <b>Phase Changes</b> c/liq 429.95 K, $\Delta H = 36700 \text{ J}\cdot\text{mol}^{-1}$ Crystal/nematic-discotic. liq/liq 510.25 K, $\Delta H = 100 \text{ J}\cdot\text{mol}^{-1}$ Nematic-discotic/isotropic. <b>Molecular Weight</b> 1249.8144 <b>Wiswesser Line Notation</b> L B6 H666J D1UU1R5 E1UU1R5 J1UU1R5 K1UU1R5 P1UU1R5 Q1UU1R5 <b>Evaluation</b> C	90PRA/KOH

<b>C<sub>108</sub>H<sub>120</sub></b> (c) 2,3,6,7,10,11-Hexakis[(4-heptylphenyl)ethynyl] triphenylene	90PRA/KOH	<b>C<sub>508</sub>H<sub>752</sub>N<sub>130</sub>O<sub>150</sub>S<sub>12</sub>Zn</b> (c) Bovine zinc insulin, hydrated	69HUT/COL
<b>Phase Changes</b>		<b>Heat Capacity</b> 298.15 K	
c/liq 395.15 K, $\Delta H = 41100 \text{ J} \cdot \text{mol}^{-1}$ Crystal/nematic-discotic.		$C_p = 132.0 \text{ J} \cdot 100\text{g}^{-1} \cdot \text{K}^{-1}$ . Temperature range 10 to 310 K.	
liq/liq 449.75 K, $\Delta H = 100 \text{ J} \cdot \text{mol}^{-1}$ Nematic-discotic/isotropic.		<b>Entropy</b> 298.15 K	
<b>Molecular Weight</b> 1418.1360		$S = 136.1 \text{ J} \cdot 100\text{g}^{-1} \cdot \text{K}^{-1}$ . Anhydrous protein from beef pancreas and consists of a sequence of 96 amino acids. Hydrated bovine zinc insulin contains 4.0% water and would require the addition of 26.7 moles of H <sub>2</sub> O to the empirical formula.	
<b>Wiswesser Line Notation</b> L B6 H666J D1UU1R7 E1UU1R7 J1UU1R7 K1UU1R7 P1UU1R7 Q1UU1R7		<b>Molecular Weight</b> 11530.4098	
<b>Evaluation</b> C		<b>Evaluation</b> A	
 <b>C<sub>203</sub>H<sub>288</sub>O<sub>14</sub></b> (c) Galvinoxyl hydrogalvinoxyl (6:1) radical	87AWA/SUG	 <b>C<sub>1077</sub>H<sub>1736</sub>N<sub>304</sub>O<sub>343</sub>S<sub>12</sub></b> (c) Bovine chymotrypsinogen A, anhydrous	69HUT/COL
<b>Heat Capacity</b> 299.62 K, $C_p = 634.81 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ Temperature range 12 to 303 K. Unsmoothed experimental datum.		<b>Heat Capacity</b> 298.15 K	
<b>Molecular Weight</b> 2952.4998		$C_p = 129.3 \text{ J} \cdot 100\text{g}^{-1} \cdot \text{K}^{-1}$ . Temperature range is 10 to 310 K.	
<b>Evaluation</b> A		<b>Entropy</b> 298.15 K	
 <b>C<sub>290</sub>H<sub>441</sub>O<sub>20</sub></b> (c) Galvinoxyl hydrogalvinoxyl (9:1) radical	87AWA/SUG	$S = 135.0 \text{ J} \cdot 100\text{g}^{-1} \cdot \text{K}^{-1}$ . Empirical formula and molecular weight calculated from compositional data on chymotrypsinogen in 69HUT/COL which shows a sequence of 245 amino acids.	
<b>Heat Capacity</b> 298.45 K, $C_p = 631.92 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ Temperature range 13 to 300 K. Unsmoothed experimental datum.		<b>Molecular Weight</b> 24816.1124	
<b>Phase Changes</b>		<b>Evaluation</b> A	
c,II/c,I 71 K, $\Delta H = 718 \text{ J} \cdot \text{mol}^{-1}$ $\Delta S = 10.11 \text{ J} \cdot \text{mol}^{-1} \cdot \text{K}^{-1}$ Diamagnetic low temperature- paramagnetic high temperature phase transition in 9:1 crystal.		 <b>C<sub>1077</sub>H<sub>1736</sub>N<sub>304</sub>O<sub>343</sub>S<sub>12</sub></b> (c) Bovine chymotrypsinogen A, hydrated	69HUT/COL
<b>Molecular Weight</b> 4217.4249		<b>Heat Capacity</b> 298.15 K	
<b>Evaluation</b> A		$C_p = 160.4 \text{ J} \cdot 100\text{g}^{-1} \cdot \text{K}^{-1}$ . Temperature range 10 to 310 K.	
 <b>C<sub>508</sub>H<sub>752</sub>N<sub>130</sub>O<sub>150</sub>S<sub>12</sub>Zn</b> (c) Bovine zinc insulin, anhydrous	69HUT/COL	<b>Entropy</b> 298.15 K	
<b>Heat Capacity</b> 298.15 K $C_p = 125.4 \text{ J} \cdot 100\text{g}^{-1} \cdot \text{K}^{-1}$ . Temperature range 10 to 310 K.		$S = 152.1 \text{ J} \cdot 100\text{g}^{-1} \cdot \text{K}^{-1}$ . Empirical formula and molecular weight calculated from compositional data on chymotrypsinogen in 69HUT/COL which shows a sequence of 245 amino acids. Hydrated bovine chymotrypsinogen A contains 10.7% water and would require the addition of 165 moles of H <sub>2</sub> O to the empirical formula.	
<b>Entropy</b> 298.15 K $S = 131.5 \text{ J} \cdot 100\text{g}^{-1} \cdot \text{K}^{-1}$ . Anhydrous protein from beef pancreas and consists of a sequence of 96 amino acids.		<b>Molecular Weight</b> 24816.1124	
<b>Molecular Weight</b> 11530.4098		<b>Evaluation</b> A	
<b>Evaluation</b> A			

## 8. Compound Name—Formula—CASRN Index

### A

Acenaphthene	$C_{12}H_{10}$	83-32-9	Allantoin	$C_6H_6N_4O_3$	97-59-6
Acenaphthene picric acid	$C_{18}H_{11}N_3O_7$	4599-99-9	Alloxan	$C_4H_2N_2O_4$	50-71-5
Acenaphthylene	$C_{12}H_8$	208-96-8	Allyl acetate	$C_5H_8O_2$	591-87-7
Acetal	$C_6H_{14}O_2$	105-57-7	Allylcyclohexane	$C_9H_{16}$	2114-42-3
Acetaldehyde	$C_2H_4O$	75-07-0	Allylcyclopentane	$C_8H_{14}$	3524-75-2
Acetaldehyde dibutyl acetal	$C_{10}H_{22}O_2$	871-22-7	4-Allylguaiaacol	$C_{10}H_{12}O_2$	97-53-0
Acetaldoxime	$C_2H_5NO$	107-29-9	Allyl isothiocyanate	$C_4H_5NS$	57-06-7
Acetamide	$C_2H_5NO$	60-35-5	N-Allyl-N'-phenylthiourea	$C_{10}H_{12}N_2S$	7341-63-1
Acetamide nitrate	$C_2H_6N_2O_4$	75238-15-2	N-Allylpypyrazole tricarbonyliron	$C_9H_9FeN_2O_3$	40672-10-4
Acetamide-salicylic acid complex	$C_9H_{11}NO_4$	unavailable	Aluminum acetylacetone	$C_{15}H_{21}AlO_6$	13963-57-0
Acetanilide	$C_8H_9NO$	103-84-4	Aminoantipyrene	$C_{11}H_{13}N_3O$	83-07-8
Acetic acid	$C_2H_4O_2$	64-19-7	p-Aminoazobenzene	$C_{12}H_{11}N_3$	60-09-3
Acetic anhydride	$C_4H_6O_3$	108-24-7	p-Aminobenzenesulfonamide	$C_6H_8N_2O_2S$	63-74-1
Acetoacetic ester	$C_6H_{10}O_3$	141-97-9	2-Aminobenzoic acid	$C_7H_7NO_2$	118-92-3
Acetone	$C_3H_6O$	67-64-1	2-Aminobiphenyl	$C_7H_7NO_2$	99-05-8
Acetone clathrate hydrate	$C_3H_6O \cdot 17H_2O$	18879-06-6	1-Aminobutane	$C_{12}H_{11}N$	90-41-5
Acetonitrile	$C_2H_3N$	75-05-8	2-Aminobutanoic acid	$C_4H_4N$	109-73-9
Acetophenone	$C_8H_8O$	98-86-2	4-Aminobutanoic acid	$C_4H_9NO_2$	1492-24-6
Acetophenone diethyl ketal	$C_{12}H_{18}O_2$	4316-37-4	2-Aminobutanoic acid(L)	$C_4H_9NO_2$	1492-24-6
1-Aceto-3-stearin	$C_{23}H_{44}O_5$	27177-85-1	2-Aminobutanoic acid(DL)	$C_4H_9NO_2$	2835-81-6
Acetylacetone, enol form	$C_5H_8O_2$	1522-20-9	α-Aminobutyric acid	$C_4H_9NO_2$	56-12-2
N-Acetyl-L-alanine amide	$C_5H_{10}N_2O_2$	15962-47-7	γ-Aminobutyric acid	$C_4H_9NO_2$	80-60-4
N-Acetylalanine-N'-methylamide	$C_6H_9N_2O_2$	19701-83-8	α-Aminocaproic acid(DL)	$C_4H_9NO_2$	56-12-2
Acetyl chloride	$C_2H_3ClO$	75-36-5	α-Aminocaproic acid(L)	$C_4H_9NO_2$	1492-24-6
Acetylferrocene	$C_{12}H_{12}FeO$	1271-55-2	m-Aminocinnamic acid	$C_4H_9NO_2$	1492-24-6
N-Acetylglycine amide	$C_4H_8N_2O_2$	2620-63-5	2-Aminoethanesulfonic acid	$C_4H_9NO_2$	56-12-2
N-Acetylglucine-N'-methylamide	$C_5H_{10}N_2O_2$	7606-79-3	Aminoethanoic acid	$C_4H_9NO_2$	616-06-8
N-Acetyliso-leucine-N'-methylamide	$C_9H_{18}N_2O_2$	32483-16-2	N-(2-Aminoethyl)-N'-(2-aminoethyl)2-	$C_6H_{13}NO_2$	327-57-1
N-Acetyl-D-leucine amide	$C_8H_{16}N_2O_2$	16624-68-3	aminoethyl)piperazine	$C_9H_9NO_2$	1664-56-8
N-Acetylleucine-N'-methylamide	$C_9H_{18}N_2O_2$	32483-15-1	N-(2-Aminoethyl)piperazine	$C_2H_9NO_3S$	107-35-7
17-(Acetoxy)-(17α)-19-norpregn-4-en-20-yn-3-one	$C_{22}H_{28}O_3$	51-98-9	N-(2-Aminoethyl)piperazine	$C_2H_5NO_2$	56-40-6
N-Acetylphenylalanine-N'-methylamide	$C_{12}H_{16}N_2O_2$	17186-60-6	1-Aminoethane	$C_{10}H_{25}N_5$	110-85-0
N-Acetylproline-N'-methylamide	$C_8H_{14}N_2O_2$	120328-71-4	6-Aminohexanoic acid	$C_8H_{20}N_4$	31295-54-2
N-Acetylvaline-N'-methylamide	$C_8H_{16}N_2O_2$	33067-46-8	2-Amino-2-hydroxymethyl-1,3-propanediol	$C_6H_{15}N_3$	140-31-8
Acridine	$C_{13}H_8N$	260-94-6	2-Amino-3-	$C_6H_{15}N_3$	111-26-2
Acrylamide	$C_3H_5NO$	79-06-1	hydroxypropanoic acid(DL)	$C_6H_{13}NO_2$	60-32-2
Acrylic acid	$C_3H_4O_2$	79-10-7	2-Amino-3-	$C_4H_{11}NO_3$	77-86-1
Acrylonitrile	$C_3H_4N$	107-13-1	hydroxypropanoic acid(L)	$C_3H_7NO_3$	302-84-1
Adamantan	$C_{10}H_{16}$	281-23-2	α-Aminoisovaleric acid	$C_3H_7NO_3$	56-45-1
Adamantan-1-carboxylic acid methyl ester	$C_{12}H_{18}O_2$	711-01-3	α-Aminoisovaleric acid(D)	$C_3H_7NO_3$	640-68-6
1-Adamantyl carboxamide	$C_{11}H_{17}NO$	5511-18-2	α-Aminoisovaleric acid(DL)	$C_3H_7NO_3$	640-68-6
1-Adamantyl cyanide	$C_{11}H_{15}N$	23074-42-2	2-Amino-3-methylbutanoic acid	$C_3H_7NO_3$	516-06-3
1-Adamantyl isonitrile	$C_{11}H_{15}N$	22110-53-8	2-Amino-3-methylbutanoic acid(DL)	$C_3H_7NO_3$	72-18-4
1-Adamantyl methyl ketone	$C_{12}H_{18}O$	1660-04-4	2-Amino-3-methylbutanoic acid(L)	$C_3H_7NO_3$	1072-67-9
Adenine	$C_5H_5N_5$	73-24-5	3-Amino-5-methylisoxazole	$C_6H_{13}NO_2$	73-32-5
Adipic acid	$C_6H_{10}O_4$	124-04-9	2-Amino-3-methylpentanoic acid(L)	$C_6H_{13}NO_2$	328-39-2
Adonitol	$C_5H_{12}O_5$	488-81-3	2-Amino-4-methylpentanoic acid(DL)	$C_6H_{13}NO_2$	61-90-5
Alanine(D)	$C_3H_7NO_2$	338-69-2	2-Amino-4-methylpentanoic acid(L)	$C_4H_{11}NO_2$	115-69-5
Alanine(DL)	$C_3H_7NO_2$	302-72-7	2-Amino-2-methyl-1,3-propanediol	$C_4H_{11}NO$	124-68-5
Alanine(L)	$C_3H_7NO_2$	56-41-7	2-Amino-2-methylpropanol	$C_{10}H_9N$	91-59-8
β-Alanine	$C_3H_7NO_2$	107-95-9	2-Aminonaphthalene	$C_8H_{17}NO_2$	1002-57-9
α,α-Alanylalanine(DL)	$C_6H_{12}N_2O_3$	2861-20-1	8-Aminooctanoic acid	$C_5H_{13}N$	110-58-7
α,α-Alanylalanine(L)	$C_6H_{12}N_2O_3$	1948-31-8	1-Aminopentane	$C_5H_{11}NO_2$	660-88-8
β-Alanyl-β-alanine	$C_6H_{12}N_2O_3$	34322-87-7	5-Aminopentanoic acid	$C_6H_7NO$	95-55-6
α-Alanylparagine(DL)	$C_7H_{13}N_3O_4$	1999-41-3	2-Aminophenol	$C_6H_{11}NO$	591-27-5
Alanylparagine hydrate(DL)	$C_7H_{13}N_3O_4 \cdot H_2O$	unavailable	3-Aminophenol	$C_6H_7NO$	123-30-8
Alanylglycine	$C_5H_{10}N_2O_3$	687-69-4	4-Aminophenol	$C_3H_9N$	107-10-8
Alanylglycine(DL)	$C_5H_{10}N_2O_3$	1188-01-8	1-Aminopropane	$C_3H_9N$	75-31-0
β-Alanylglycine	$C_5H_{10}N_2O_3$	2672-88-0	2-Aminopropane	$C_3H_7NO_2$	338-69-2
Alanylglycylglycine(DL)	$C_4H_{11}N_3O_4$	927-21-9	2-Aminopropanoic acid(D)	$C_3H_7NO_2$	302-72-7
α-Alanylglycylglycine	$C_7H_{13}N_3O_4$	927-21-9	2-Aminopropanoic acid(DL)	$C_3H_7NO_2$	56-41-7
Alanylnorleucine(DL)	$C_9H_{18}N_2O_3$	19079-66-4	2-Aminopropanoic acid(L)	$C_3H_7NO_2$	107-95-9
N-DL-Alanyl-DL-norleucine	$C_9H_{18}N_2O_3$	19079-66-4	3-Aminopropanoic acid	$C_4H_9NO_2$	107-84-8
α-Alanylnorleucine(DL)	$C_9H_{18}N_2O_3$	19079-66-4	Aminosuccinic acid(L)	$C_4H_9NO_4$	6600-40-4
Alanylvaline(DL)	$C_8H_{15}N_2O_3$	1999-46-8	α-Aminovaleric acid(L)	$C_4H_9NO_4$	38457-08-8
α-Alanylvaline(DL)	$C_8H_{16}N_2O_3$	1999-46-8	Ammonium acid butanedioate		

Ammonium acid isophthalate	$C_8H_6NO_4$	50961-33-6	1-Azabicyclo[2.2.2]octane	$C_7H_{13}N$	100-76-5
Ammonium acid 2-methylsuccinate	$C_5H_{11}NO_4$	61478-85-1	3-Azabicyclo[3.2.2]nonane	$C_8H_{15}N$	283-24-9
Ammonium acid oxalate	$C_2H_3NO_4$	5972-72-5	Azacymantrene	$C_7H_4MnNO_3$	32761-36-7
Ammonium acid <i>m</i> -phthalate	$C_8H_6NO_4$	50961-33-6	Azaferrocene	$C_9H_9FeN$	11077-12-6
Ammonium acid <i>o</i> -phthalate	$C_8H_6NO_4$	17735-77-2	Azelaic acid	$C_9H_{16}O_4$	123-99-9
Ammonium acid pyrotartrate	$C_5H_{11}NO_4$	61478-85-1	Azobenzene	$C_{12}H_{10}N_2$	103-33-3
Ammonium acid succinate	$C_4H_6NO_4$	38457-08-8	<i>cis</i> -Azobenzene	$C_{12}H_{10}N_2$	17082-12-1
Ammonium acid tartrate	$C_4H_6NO_6$	3095-65-6	<i>tert</i> -Azobenzene	$C_{12}H_{10}N_2$	1080-16-6
Ammonium benzoate	$C_7H_9NO_2$	1863-63-4	2,2'-Azodiisobutyrodonitrile	$C_8H_{12}N_4$	78-67-1
Ammonium carbamate	$CH_4N_2O_2$	111-78-0	<i>p</i> -Azoxyanisole	$C_{14}H_4N_2O_3$	1562-94-3
Ammonium cinnamate	$C_9H_{11}NO_2$	25459-05-6	<i>p</i> -Azoxyanisoylphenetole	$C_{15}H_6N_2O_3$	56095-14-8
Ammonium hydrogen oxalate hemihydrate	$C_2H_5NO_4 \cdot 0.5H_2O$	37541-72-3	<i>p</i> -Azoxyphenetole	$C_{16}H_8N_2O_3$	4792-83-0
Ammonium hydrogen oxalate hemihydrate- <i>d</i> <sub>6</sub>	$C_2D_5NO_4 \cdot 0.5D_2O$	76585-14-3	<b>B</b>		
Ammonium isophthalate	$C_8H_{12}N_2O_4$	18996-38-8	Baked carbon	<b>C</b>	7440-44-0
Ammonium oxalate	$C_2H_8N_2O_4$	1113-38-8	Barbituric acid	$C_4H_6N_2O_3$	67-52-7
Ammonium phthalate	$C_8H_{12}N_2O_4$	523-24-0	Barium dicalcium propionate	$C_{18}H_{30}BaCa_2O_{12}$	17115-98-9
Ammonium <i>m</i> -phthalate	$C_8H_{12}N_2O_4$	18996-38-8	1,2-Benzacenaphthene	$C_{14}H_{10}$	206-44-0
Ammonium <i>o</i> -phthalate	$C_8H_{12}N_2O_4$	523-24-0	Benzaldehyde	$C_7H_6O$	100-52-7
Ammonium purpurate	$C_8H_8N_6O_6$	3051-09-0	Benzamide	$C_7H_7NO$	55-21-0
Ammonium succinate	$C_4H_{12}N_2O_4$	2226-88-2	Benzanilide	$C_{13}H_9NO$	93-98-1
Ammonium tartrate	$C_4H_{12}N_2O_6$	3164-29-2	Benzanthrene	$C_{24}H_5N_3O_7$	72454-41-2
Ammonium tetraphenyl borate	$C_{24}H_{24}BN$	14637-34-4	Benzene	$C_{17}H_{12}$	56-55-3
Ammonium tetraphenyl boron	$C_{24}H_{24}BN$	14637-34-4	Benzene- <i>d</i> <sub>6</sub>	$C_6H_6$	71-43-2
Ammonium thiocyanate	$CH_4N_2S$	1762-95-4	Benzene chromium dicarbonyl thiocarbonyl	$C_6D_6$	1076-43-3
<i>n</i> -Amyl acetate	$C_7H_{14}O_2$	628-63-7	Benzene chromium tricarbonyl	$C_6H_6CrO_2S$	63356-86-5
<i>n</i> -Amyl alcohol	$C_5H_{12}O$	71-41-0	Benzene-hexa- <i>n</i> -heptanoate	$C_9H_6CrO_3$	12082-08-5
tert-Amyl alcohol	$C_5H_{12}O$	75-85-4	Benzene-hexa- <i>n</i> -hexanoate	$C_{48}H_{40}O_{12}$	65201-70-9
<i>n</i> -Amylamine	$C_5H_{13}N$	110-58-7	Benzene-hexa- <i>n</i> -octanoate	$C_{42}H_{66}O_{12}$	65201-69-6
<i>n</i> -Amylammonium chloride	$C_5H_{14}ClN$	142-65-4	Benzene:hexafluorobenzene complex	$C_5H_{24}O_2$	65201-71-0
<i>n</i> -Amyl bromide	$C_5H_9Br$	110-53-2	Benzenesulfonamide	$C_12H_6F_6$	783-33-5
Amyl butanoate	$C_9H_{18}O_2$	540-18-1	9,10- <i>o</i> -Benzeno-9,10-dihydroanthracene	$C_6H_7NO_2S$	98-10-2
<i>n</i> -Amyl chloride	$C_5H_{11}Cl$	543-59-9	1,2-Benzofluorene picric acid	$C_{20}H_{14}$	477-75-8
tert-Amyl ethyl ether	$C_7H_{16}O$	17952-11-3	2,3-Benzofluorene picric acid	$C_{23}H_{15}N_3O_7$	72454-42-3
<i>n</i> -Amyl iodide	$C_5H_{11}I$	628-17-1	Benzhydrol	$C_{23}H_{15}N_3O_7$	72454-43-4
<i>n</i> -Amyl mercaptan	$C_5H_{12}S$	110-66-7	Benzil	$C_{13}H_{12}O$	91-01-0
tert-Amyl mercaptan	$C_5H_{12}S$	1679-09-0	Benzimidazole	$C_{14}H_{10}O_2$	134-81-6
tert-Amyl methyl ether	$C_6H_{14}O$	994-05-8	Benzo[c]cinnoline	$C_7H_6N_2$	51-17-2
Amyl propionate	$C_8H_{16}O_2$	624-54-4	1,2-Benzofluorene	$C_{12}H_8N_2$	230-17-1
5 <i>α</i> -Androstane-3-one-17 <i>β</i> -ol	$C_{19}H_{30}O_2$	521-18-6	2,3-Benzofluorene	$C_{17}H_{12}$	238-84-6
Androstanolone	$C_{19}H_{30}O_2$	521-18-6	2,3-Benzofuran	$C_{17}H_{12}$	243-17-4
Aniline	$C_6H_7N$	62-53-3	Benzoic acid	$C_8H_6O$	271-89-6
Aniline formaldehyde	$C_6H_7N \cdot CH_2O$	unavailable	Benzonitrile	$C_7H_5N$	100-47-0
Aniline hydrobromide	$C_6H_7N \cdot HBr$	542-11-0	9,10-Benzophenanthrene	$C_{18}H_{12}$	217-59-4
Anisaldazine	$C_{16}H_{16}N_2O_2$	2299-73-2	Benz(d,e,f)phenanthrene	$C_{14}H_{10}$	129-00-0
<i>p</i> -Anisic acid	$C_8H_8O_3$	100-09-4	Benzophenone	$C_{13}H_{10}O$	119-61-9
<i>p</i> -Anisidine	$C_7H_9NO$	104-94-9	3,3',4,4'-Benzophenonetetracarboxylic-dianhydride-2,2-dimethyl-1,3-(4-aminophenoxy)-propane condensation polymer	$(C_{34}H_{24}N_2O_7)_n$	136922-70-8
Anisole	$C_7H_8O$	100-66-3	7,8-Benzquinoline	$C_{13}H_9N$	230-27-3
Anthracene	$C_{14}H_{10}$	120-12-7	<i>p</i> -Benzquinone	$C_6H_4O_2$	106-51-4
Anthracene picric acid	$C_{20}H_{13}N_3O_7$	5937-78-0	Benzothiazole	$C_7H_5NS$	95-16-9
Anthracene TCNB	$C_{24}H_{24}N_4$	747-42-2	Benzothiophene	$C_8H_6S$	95-15-8
Anthracene-1,2,4,5-tetracyanobenzene	$C_{24}H_{12}N_4$	747-42-2	Benzotriazole	$C_6H_5N_3$	95-14-7
Anthracene-1,3,5-trinitrobenzene adduct	$C_{20}H_{13}N_3O_6$	2499-09-4	Benzotrichloride	$C_2H_5Cl_2$	98-07-7
Anthraquinone	$C_{14}H_8O_2$	84-65-1	Benzotrifluoride	$C_7H_5F_3$	98-08-8
Anthrone	$C_{14}H_{10}O$	90-44-8	Benzoxazole	$C_7H_5NO$	273-53-0
Antimony triphenyl	$C_{18}H_{15}Sb$	603-36-1	N-Benzoyl- <i>o</i> -aminodiphenylamine	$C_{19}H_{16}N_2O$	34237-88-2
Antipyrene	$C_{11}H_{12}N_2O$	60-80-0	Benzoyl chloride	$C_7H_5ClO$	98-88-4
Arabinitol(D)	$C_5H_{12}O_5$	488-82-4	Benzoylferrocene	$C_{11}H_{14}FeO$	1272-44-2
Arabinose(D)	$C_5H_{10}O_5$	28697-53-2	Benzoyl formic acid	$C_8H_6O_3$	611-73-4
Arabinose(L)	$C_5H_{10}O_5$	87-72-9	Benzoylglycine	$C_9H_9NO_3$	495-69-2
Arabitol(D)	$C_5H_{12}O_5$	488-82-4	Benzol[a]pyrene picric acid	$C_{26}H_{15}N_3O_7$	72454-44-5
Arginine(D)	$C_6H_{14}N_4O_2$	157-06-2	1-Benzol[b]pyrrole	$C_8H_7N$	120-72-9
Arginine hydrochloride(L)	$C_6H_{15}ClN_4O_2$	627-75-8	17-(Benzoyloxy)-(17 <i>α</i> )-19-norpregn-4-en-20-yn-3-one	$C_{27}H_{30}O_3$	71203-39-9
Arginine phosphate monohydrate(L)	$C_6H_{14}N_4O_2 \cdot H_3PO_4 \cdot H_2O$	80887-43-0	Benzyl acetate	$C_9H_{10}O_2$	140-11-4
Asparagine(L)	$C_4H_8N_2O_3$	70-47-3	Benzyl alcohol	$C_7H_8O$	100-51-6
Asparagine hydrate(L)	$C_4H_8N_2O_3 \cdot H_2O$	5794-13-8			
Aspartic acid(L)	$C_4H_7NO_4$	56-84-8			

Benzylamine	C <sub>7</sub> H <sub>9</sub> N	100-46-9	adduct	C <sub>22</sub> H <sub>48</sub>	unavailable
Benzyl chloride	C <sub>7</sub> H <sub>7</sub> Cl	100-44-7	Bis-decylammonium tetrachlorocadmium	C <sub>20</sub> H <sub>48</sub> CdCl <sub>4</sub> N <sub>2</sub>	53188-91-
Benzyl ethanoate	C <sub>9</sub> H <sub>10</sub> O <sub>2</sub>	140-11-4	1,2-Bis(difluoramoно)propane	C <sub>3</sub> H <sub>6</sub> F <sub>2</sub> N <sub>2</sub>	15403-25-
Benzyl methacrylate	C <sub>11</sub> H <sub>12</sub> O <sub>2</sub>	2495-37-6	1,1-Bis(dimethylcyclohexyl)ethane	C <sub>18</sub> H <sub>34</sub>	unavailable
Beryllium oxyacetate	C <sub>12</sub> H <sub>18</sub> Be <sub>4</sub> O <sub>13</sub>	19049-40-2	Bis(N,N-dimethylthiocarbamato)iron(III)	C <sub>6</sub> H <sub>12</sub> BrFeN <sub>2</sub> S <sub>4</sub>	23672-37-
Betaine calcium chloride dihydrate	C <sub>5</sub> H <sub>11</sub> CaCl <sub>2</sub> NO <sub>2</sub> ·2H <sub>2</sub> O	90268-02-3	bromide	C <sub>6</sub> H <sub>12</sub> BrFeN <sub>2</sub> S <sub>4</sub>	23672-37-
Betaine phosphate	C <sub>5</sub> H <sub>14</sub> NO <sub>4</sub> P	58823-88-4	Bis(dimethyl(ethylenedithio)diselenadithiafulvalene)	C <sub>22</sub> H <sub>22</sub> AuN <sub>2</sub> S <sub>8</sub> Se <sub>4</sub>	110321-46-
1-Bicyclo[1.1.0]butyl cyanide	C <sub>5</sub> H <sub>9</sub> N	16955-35-4	dicyanoaurate(I)	C <sub>6</sub> H <sub>12</sub> N <sub>2</sub> S <sub>4</sub>	137-26-
cis-Bicyclo[5.3.0]decane	C <sub>10</sub> H <sub>18</sub>	16189-46-1	Bis(dimethylthiocarbamoyl)disulfide	C <sub>6</sub> H <sub>12</sub> N <sub>2</sub> S <sub>3</sub>	97-74-
Bicyclo[2.2.1]heptane	C <sub>7</sub> H <sub>12</sub>	279-23-2	Bis(dimethylthiocarbamoyl)sulfide	C <sub>28</sub> H <sub>28</sub> P <sub>2</sub>	7688-25-
Bicyclo[4.1.0]heptane	C <sub>7</sub> H <sub>12</sub>	286-08-8	1,4-Bis(diphenylphosphino)butane	C <sub>24</sub> H <sub>56</sub> CdCl <sub>4</sub> N <sub>2</sub>	79001-08-
Bicyclo[2.2.1]heptene	C <sub>7</sub> H <sub>10</sub>	498-66-8	Bis(dodecylammonium)tetrachlorocadmite (II)	C <sub>24</sub> H <sub>56</sub> Cl <sub>4</sub> MnN <sub>2</sub>	75899-75-
Bicyclo[2.2.1]hept-2,5-diene	C <sub>7</sub> H <sub>8</sub>	121-46-0	Bis(dodecylammonium)tetrachloromanganate (II)	C <sub>24</sub> H <sub>56</sub> Cl <sub>4</sub> N <sub>2</sub> Zn	57947-14-
endo-Bicyclo[2.2.1]-5-heptene-2,3-dicarboxylic acid anhydride	C <sub>9</sub> H <sub>8</sub> O <sub>3</sub>	129-64-6	Bis(dodecylammonium)tetrachlorozincate (II)	C <sub>24</sub> H <sub>56</sub> Cl <sub>4</sub> N <sub>2</sub> Zn	57947-14-
Bicyclohexyl	C <sub>12</sub> H <sub>22</sub>	92-51-3	Bis(dodecylammonium)tetrachloromanganate	C <sub>4</sub> H <sub>18</sub> O <sub>3</sub>	112-36-
1-Bicyclo[3.1.0]hexyl cyanide	C <sub>7</sub> H <sub>9</sub> N	31357-72-9	Bis(2-ethoxyethyl)ether	C <sub>16</sub> H <sub>20</sub> Cr	12212-68-
cis-Bicyclo[6.1.0]nonane	C <sub>9</sub> H <sub>16</sub>	13757-43-2	Bis(ethylcyclohexyl)chromium	C <sub>18</sub> H <sub>34</sub>	98803-07-
Bicyclo[3.3.1]nonan-9-one	C <sub>9</sub> H <sub>14</sub> O	17931-55-4	1,1-Bis(ethylcyclohexyl)ethane	C <sub>17</sub> H <sub>32</sub>	98028-64-
Bicyclo[2.2.2]octane	C <sub>8</sub> H <sub>14</sub>	280-33-1	Bis(ethylcyclohexyl)methane	C <sub>25</sub> H <sub>48</sub> O <sub>4</sub>	103-24-
cis-Bicyclo[3.3.0]octane	C <sub>8</sub> H <sub>14</sub>	1755-05-1	Bis(2-ethylhexyl)azelate	C <sub>25</sub> H <sub>48</sub> O <sub>4</sub>	103-24-
trans-Bicyclo[3.3.0]octane	C <sub>8</sub> H <sub>14</sub>	5597-89-7	Bis(2-ethylhexyl)nonadioate	C <sub>24</sub> H <sub>38</sub> O <sub>4</sub>	117-81-
cis-Bicyclo[4.2.0]octane	C <sub>8</sub> H <sub>14</sub>	28282-35-1	Bis(2-ethylhexyl)phthalate	C <sub>5</sub> H <sub>8</sub> F <sub>4</sub>	338-23-
Bicyclo[2.2.2]octene-2	C <sub>8</sub> H <sub>12</sub>	931-64-6	2,2-Bis(fluoromethyl)-1,3-disfluoropropane	C <sub>14</sub> H <sub>36</sub> CdCl <sub>4</sub> N <sub>2</sub>	88353-51-
Bicyclopentyl	C <sub>10</sub> H <sub>18</sub>	1636-39-1	Bis(n-heptylammonium)tetrachlorocadmite	C <sub>32</sub> H <sub>72</sub> CdCl <sub>4</sub> N <sub>2</sub>	98394-09-
1-Bicyclo[2.1.0]pentyl cyanide	C <sub>6</sub> H <sub>7</sub> N	31357-71-8	Bis(n-heptylammonium)tetrachloromanganate	C <sub>14</sub> H <sub>36</sub> Cl <sub>4</sub> MnN <sub>2</sub>	63441-99-
Bicyclo[3.3.3]undecane	C <sub>11</sub> H <sub>20</sub>	29415-95-0	4,4'-Bis(n-heptoxy)oxybenzene	C <sub>26</sub> H <sub>38</sub> N <sub>2</sub> O <sub>3</sub>	2635-26-
Biferrocenium triiodide	C <sub>20</sub> H <sub>16</sub> Fe <sub>2</sub> I <sub>3</sub>	39470-17-2	Bis-hexadecylammoniumtetrachlorocadmium	C <sub>32</sub> H <sub>72</sub> CdCl <sub>4</sub> N <sub>2</sub>	98394-09-
2,2'-Biindanyl	C <sub>18</sub> H <sub>18</sub>	39060-95-2	Bis-hexadecylammoniumtetrachlorocadmite	C <sub>32</sub> H <sub>72</sub> CdCl <sub>4</sub> N <sub>2</sub>	98394-09-
2,2'-Binaphthyl	C <sub>20</sub> H <sub>14</sub>	612-78-2	Bis-hydroxyethylpiperazine	C <sub>8</sub> H <sub>18</sub> N <sub>2</sub> O <sub>2</sub>	122-96-
β,β'-Binaphthyl	C <sub>20</sub> H <sub>14</sub>	612-78-2	2,2-Bis(hydroxymethyl)-1,3-dihydroxypropane	C <sub>5</sub> H <sub>12</sub> O <sub>4</sub>	115-77-
β,β'-Binaphthyl picric acid	C <sub>26</sub> H <sub>17</sub> N <sub>3</sub> O <sub>7</sub>	72454-45-6	2,2-Bis(hydroxymethyl)proionic acid	C <sub>5</sub> H <sub>10</sub> O <sub>4</sub>	4767-03-
p,p'-Biphenol	C <sub>12</sub> H <sub>10</sub> O <sub>2</sub>	92-88-6	2,2-Bis(iodomethyl)-1,3-diiodopropane	C <sub>5</sub> H <sub>8</sub> I <sub>4</sub>	1522-88-
Biphenyl	C <sub>12</sub> H <sub>10</sub>	92-52-4	1,3-Bis(1-isocyanato-1-methylethyl)benzene	C <sub>14</sub> H <sub>16</sub> N <sub>2</sub> O <sub>2</sub>	2778-42-
Biphenyl-d <sub>10</sub>	C <sub>12</sub> D <sub>10</sub>	1486-01-7	1,4-Bis(1-isocyanato-1-methylethyl)benzene	C <sub>14</sub> H <sub>16</sub> N <sub>2</sub> O <sub>2</sub>	2778-41-
[1,1'-Biphenyl]-2-amine	C <sub>12</sub> H <sub>11</sub> N	90-41-5	Bis(isopropylbenzene)chromium	C <sub>18</sub> H <sub>24</sub> Cr	38744-20-
17-[[(1,1'-Biphenyl]-4-ylcarbonyl)oxy]-17(α)-19-norpregn-4-en-20-yn-3-one	C <sub>33</sub> H <sub>34</sub> O <sub>3</sub>	71203-40-2	Bis-(4-(N-maleicimido)phenyl)methane	C <sub>21</sub> H <sub>14</sub> N <sub>2</sub> O <sub>4</sub>	unavailable
Bis[N-(1-acetyl-2-propylidene)(2-pyridylmethyl)amine]iron(III)phosphorus hexafluoride	C <sub>22</sub> H <sub>26</sub> F <sub>6</sub> FeN <sub>4</sub> O <sub>2</sub> P	90790-59-3	Bis(mesitylene)chromium iodide	C <sub>18</sub> H <sub>24</sub> CrI	12148-59-
Bis-(o-aminophenyl)-2,2'-dibenzimidazole oxide, intermediate polymer	C <sub>26</sub> H <sub>20</sub> N <sub>6</sub> O	25829-64-5	N,N'-Bis(m-methoxyphenyl)terephthalamide	C <sub>22</sub> H <sub>20</sub> N <sub>2</sub> O <sub>4</sub>	6957-81-
Bis-(4-aminophenyl)ether	(C <sub>34</sub> H <sub>22</sub> N <sub>6</sub> O <sub>3</sub> ) <sub>n</sub>	56592-63-3	N,N'-Bis(p-methoxyphenyl)terephthalamide	C <sub>22</sub> H <sub>20</sub> N <sub>2</sub> O <sub>4</sub>	7144-15-
Bis(4-aminophenyl)methane	C <sub>12</sub> H <sub>12</sub> N <sub>2</sub> O	101-80-4	Bis[N-(3-methoxysalicylidene)isopropylamine]nickel (II)	C <sub>22</sub> H <sub>28</sub> N <sub>2</sub> NiO <sub>4</sub>	39277-14-
1,3-Bis[5-(o-aminophenyl)-1,2,4-triazole-3-yl]benzene	C <sub>13</sub> H <sub>14</sub> N <sub>2</sub>	101-77-9	Bis(methylammonium)hexabromotellurate (IV)	C <sub>2</sub> H <sub>12</sub> Br <sub>6</sub> N <sub>2</sub> Te	67143-09-
Bis(benzene)chromium	C <sub>16</sub> H <sub>18</sub> N <sub>8</sub>	31688-47-8	Bis(methylammonium)hexachloroplatinate	C <sub>2</sub> H <sub>12</sub> Cl <sub>6</sub> N <sub>2</sub> Te	40937-40-
Bis(benzene)chromium bromide	C <sub>12</sub> H <sub>10</sub> Cr	1271-54-1	Bis(methylammonium)hexachlorotellurate	C <sub>2</sub> H <sub>12</sub> Cl <sub>6</sub> N <sub>2</sub> Sn	67194-30-
Bis(benzene)chromium chloride	C <sub>12</sub> H <sub>12</sub> CrBr	11078-20-9	Bis(methylammonium)hexaiodotellurate	C <sub>2</sub> H <sub>12</sub> I <sub>6</sub> N <sub>2</sub> Te	67148-22-
Bis(benzene)chromium iodide	C <sub>12</sub> H <sub>12</sub> CrCl	11078-19-6	Bis(methylammonium)hexachlorostannate (IV)	C <sub>2</sub> D <sub>12</sub> Cl <sub>6</sub> N <sub>2</sub> Sn	51523-43-
Bis-(2,2'-bi-5-methyl-2-thiazoline)diisothiocyanato iron(II)	C <sub>18</sub> H <sub>24</sub> FeN <sub>6</sub> S <sub>6</sub>	67903-91-7	1,2-Bis(methyldiallylammmonium)ethane dibromide	C <sub>16</sub> H <sub>34</sub> N <sub>2</sub>	14781-49-8
Bis(biphenyl)chromium iodide	C <sub>24</sub> H <sub>20</sub> CrI	12099-17-1	Bis(3-methylpentane-2,4-dionato)copper(II)	C <sub>12</sub> H <sub>18</sub> CuO <sub>4</sub>	101-63-3
trans-Bis[1,2-bis(diethylphosphino)ethane]diiodochromium(II)	C <sub>20</sub> H <sub>48</sub> CrI <sub>2</sub> P <sub>4</sub>	124858-26-0	Bismuth triphenyl	C <sub>18</sub> H <sub>15</sub> Bi	603-33-8
Bis-(2,2'-bi-2-thiazoline)diisosenecyanato iron(II)	C <sub>14</sub> H <sub>16</sub> FeN <sub>6</sub> S <sub>4</sub> Se <sub>2</sub>	67903-90-6	Bis(nitroato)(1,4,8,11-tetraazacyclotetradecane)copper (II)	C <sub>10</sub> H <sub>24</sub> N <sub>4</sub> ·Cu(NO <sub>3</sub> ) <sub>2</sub>	73746-94-8
Bis-(2,2'-bi-2-thiazoline)diisothiocyanato iron(II)	C <sub>14</sub> H <sub>16</sub> FeN <sub>6</sub> S <sub>6</sub>	60105-57-9	Bis-(4-nitrophenyl)ether	C <sub>12</sub> H <sub>8</sub> N <sub>2</sub> O <sub>5</sub>	101-63-3
2,2-Bis(bromomethyl)-1,3-dibromopropane	C <sub>5</sub> H <sub>8</sub> Br <sub>3</sub>	3229-00-3	Bis(octadecylammonium)cadmium tetrachloride	C <sub>36</sub> H <sub>80</sub> CdCl <sub>4</sub> N <sub>2</sub>	90836-90-1
3,3-Bis(4-carboxyphenyl)phthalide dihydrazide	C <sub>16</sub> H <sub>18</sub> N <sub>4</sub> O <sub>4</sub>	19261-73-5	Bis-octylammonium tetrachlorocadmium	C <sub>16</sub> H <sub>40</sub> CdCl <sub>4</sub> N <sub>2</sub>	98394-08-2
2,2-Bis(chloromethyl)-1,3-dichloropropane	C <sub>5</sub> H <sub>8</sub> Cl <sub>4</sub>	3228-99-7	N,N'-Bis(4-n-octyloxybenzal)-1,4-phenylenediamine	C <sub>36</sub> H <sub>48</sub> N <sub>2</sub> O <sub>2</sub>	29273-90-3
3,3-Bis(chloromethyl)oxygenyclobutane	C <sub>5</sub> H <sub>8</sub> Cl <sub>2</sub> O	78-71-7			
3,3-Bis(chloromethyl)polyoxacyclobutane	(C <sub>5</sub> H <sub>8</sub> Cl <sub>2</sub> O) <sub>n</sub>	25323-58-4			
2,2-Bis-(4-cyanophenyl)propane	C <sub>17</sub> H <sub>14</sub> N <sub>2</sub> O <sub>2</sub>	1156-51-0			
Bis(cyclohexylmethyl)cyclohexane	C <sub>20</sub> H <sub>36</sub>	unavailable			
Bis(cyclopentane)-2,2-dimethylbutane					

Bis-pentylammonium tetrachlorozincate	C <sub>10</sub> H <sub>22</sub> Cl <sub>4</sub> N <sub>2</sub> Zn	73180-46-8	hydrated	C <sub>1077</sub> H <sub>1736</sub> N <sub>304</sub> O <sub>343</sub> S <sub>12</sub>	9035-75-0
Bis(1,10-phenanthroline-2-carbaldehyde-phenylhydrazone) iron (II) diperchlorate	C <sub>38</sub> H <sub>28</sub> Cl <sub>2</sub> O <sub>4</sub> Ni	108224-19-7	Bovine zinc insulin, anhydrous	C <sub>508</sub> H <sub>752</sub> N <sub>130</sub> O <sub>150</sub> S <sub>12</sub> Zn	11070-73-8
Bis(1,10-phenanthroline-2-carbaldehydophenylhydrazone) iron (II) ditetrafluoroborate	C <sub>38</sub> H <sub>28</sub> B <sub>2</sub> F <sub>8</sub> FeN <sub>8</sub>	53261-61-3	Bovine zinc insulin, hydrated	C <sub>508</sub> H <sub>752</sub> N <sub>130</sub> O <sub>150</sub> S <sub>12</sub> Zn	11070-73-8
2,2-Bis(phenyl-4-glycidoxy)propane	C <sub>21</sub> H <sub>24</sub> O <sub>4</sub>	500008-19-5	Bromobenzene	C <sub>6</sub> H <sub>5</sub> Br	108-86-1
1,4-Bis(phenylglyoxaloyl)benzene	C <sub>22</sub> H <sub>14</sub> O <sub>4</sub>	3363-97-1	2-Bromobenzoic acid	C <sub>7</sub> H <sub>5</sub> BrO <sub>2</sub>	88-65-3
Bis-(3-phthalyl anhydride) ether	C <sub>16</sub> H <sub>6</sub> O <sub>7</sub>	1823-59-2	3-Bromobenzoic acid	C <sub>7</sub> H <sub>5</sub> BrO <sub>2</sub>	585-76-2
Bis-(3-phthalyl anhydride) sulfone	C <sub>16</sub> H <sub>6</sub> O <sub>8</sub> S	2421-28-5	4-Bromobenzoic acid	C <sub>7</sub> H <sub>5</sub> BrO <sub>2</sub>	586-76-5
Bis-(3-phthalyl anhydride) ketone	C <sub>17</sub> H <sub>6</sub> O <sub>7</sub>	2540-99-0	Bromo bis(N,N-diethylthiocarbamate)		
Bis(propylammonium) tetrachloroplumbate(II)	C <sub>6</sub> H <sub>20</sub> Cl <sub>4</sub> N <sub>2</sub> Pb	120015-72-7	iron (III)	C <sub>10</sub> H <sub>20</sub> BrFeN <sub>2</sub> S <sub>4</sub>	54163-77-8
Bis(pyridine)copper bromide	C <sub>10</sub> H <sub>10</sub> Br <sub>2</sub> CuN <sub>2</sub>	6845-03-0	1-Bromobutane	C <sub>6</sub> H <sub>9</sub> Br	109-65-9
Bis(pyridine)copper chloride	C <sub>10</sub> H <sub>10</sub> Cl <sub>2</sub> CuN <sub>2</sub>	13408-58-7	1-Bromo-2-chloroethane	C <sub>2</sub> H <sub>4</sub> BrCl	107-04-0
Bis(pyridine)silicon tetrachloride	C <sub>10</sub> H <sub>10</sub> Cl <sub>4</sub> N <sub>2</sub> Si	17731-26-9	2-Bromo-2-chloro-1,1,2-trifluoroethane	C <sub>2</sub> HBrClF <sub>3</sub>	354-06-3
Bis(tetra- <i>n</i> -butylammonium) <i>m</i> -phthalate clathrate hydrate	C <sub>40</sub> H <sub>76</sub> N <sub>2</sub> O <sub>4</sub> ·6H <sub>2</sub> O	123227-97-4	Bromocyclohexane	C <sub>2</sub> HBrClF <sub>3</sub>	151-67-7
Bis-(tetra- <i>n</i> -butylammonium) <i>o</i> -phthalate clathrate hydrate	C <sub>40</sub> H <sub>76</sub> N <sub>2</sub> O <sub>4</sub> ·6·2H <sub>2</sub> O	123227-96-3	Bromoethane	C <sub>6</sub> H <sub>11</sub> Br	108-85-0
Bis-(tetra- <i>n</i> -butylammonium) <i>p</i> -phthalate clathrate hydrate	C <sub>40</sub> H <sub>76</sub> N <sub>2</sub> O <sub>4</sub> ·6·3H <sub>2</sub> O	123227-98-5	Bromoethane	C <sub>5</sub> H <sub>5</sub> Br	74-96-4
Bis-(tetradecylammonium) zinc tetrachloride	C <sub>28</sub> H <sub>52</sub> Cl <sub>4</sub> N <sub>2</sub> Zn	73170-02-2	Bromoethene	C <sub>2</sub> H <sub>3</sub> Br	593-60-2
Bis-(tetraethylammonium) tetrachloronickelate	C <sub>16</sub> H <sub>40</sub> Cl <sub>4</sub> N <sub>2</sub> Ni	5964-71-6	Bromoform	CHBr <sub>3</sub>	75-25-2
Bis-(tetraethylammonium) tetrachlorozincate	C <sub>16</sub> H <sub>40</sub> Cl <sub>4</sub> N <sub>2</sub> Zn	5964-74-9	1-Bromoheptane	C <sub>7</sub> H <sub>15</sub> Br	629-04-9
Bis-(tetrafluoropropyl)carbonate	C <sub>7</sub> H <sub>8</sub> F <sub>8</sub> O <sub>3</sub>	1422-70-4	1-Bromohexane	C <sub>6</sub> H <sub>13</sub> Br	111-25-1
Bis-(tetramethylammonium iodide) tridecasilver iodide	C <sub>8</sub> H <sub>24</sub> Ag <sub>13</sub> I <sub>5</sub> N <sub>2</sub>	56685-61-1	2-Bromoiodobenzene	C <sub>6</sub> H <sub>9</sub> BrI	583-55-1
Bis-(tetramethylammonium) tetrabromocuprate	C <sub>8</sub> H <sub>24</sub> Br <sub>4</sub> CuN <sub>2</sub>	15692-22-5	3-Bromoiodobenzene	C <sub>6</sub> H <sub>8</sub> BrI	591-18-4
Bis-(tetramethylammonium) tetrachloroferrate	C <sub>8</sub> H <sub>24</sub> Cl <sub>4</sub> FeN <sub>2</sub>	15649-95-3	4-Bromoiodobenzene	C <sub>6</sub> H <sub>8</sub> BrI	589-87-7
Bis-(tetramethylammonium) tetrachloromanganate	C <sub>8</sub> H <sub>24</sub> Cl <sub>4</sub> MnN <sub>2</sub>	16594-83-5	Bromomethane	CH <sub>3</sub> Br	74-83-9
Bis-(tetramethylammonium) tetrachlorozincate	C <sub>8</sub> H <sub>24</sub> Cl <sub>4</sub> N <sub>2</sub> Zn	14240-97-2	1-Bromo-3-methylbutane	C <sub>5</sub> H <sub>11</sub> Br	107-82-4
Bis-(tetramethylammonium) tetraiodocadmate	C <sub>8</sub> H <sub>24</sub> CdI <sub>4</sub> N <sub>2</sub>	37753-91-6	1-Bromo-2-methylpropane	C <sub>4</sub> H <sub>9</sub> Br	78-77-3
1,4-Bis-(2,2,6,6-tetramethyl-4-oxy-1-oxypiperidyl)butadiyne	C <sub>22</sub> H <sub>36</sub> N <sub>2</sub> O <sub>4</sub>	14306-88-8	2-Bromo-2-methylpropane	C <sub>10</sub> H <sub>7</sub> Br	580-13-2
Bis(toluene)chromium iodide	C <sub>14</sub> H <sub>16</sub> CrI	12087-59-1	2-Bromonaphthalene	C <sub>6</sub> BrF <sub>5</sub>	344-04-7
1,4-Bis(triethylammonium)butene-2-dibromide	C <sub>22</sub> H <sub>38</sub> Br <sub>2</sub> N <sub>2</sub>	51523-45-6	Bromopentafluorobenzene	C <sub>5</sub> H <sub>11</sub> Br	110-53-2
1,2-Bis(triethylammonium)ethane dibromide	C <sub>20</sub> H <sub>36</sub> Br <sub>2</sub> N <sub>2</sub>	51523-42-3	1-Bromopentane	C <sub>6</sub> H <sub>5</sub> BrO	106-41-2
1,3-Bis(triethylammonium)propane dibromide	C <sub>21</sub> H <sub>38</sub> Br <sub>2</sub> N <sub>2</sub>	51523-44-5	4-Bromophenol	C <sub>4</sub> H <sub>9</sub> Br	106-94-5
1,4-Bis(triethylammonium)butane dibromide	C <sub>16</sub> H <sub>38</sub> Br <sub>2</sub> N <sub>2</sub>	1067-62-5	1-Bromopropane	C <sub>3</sub> H <sub>7</sub> Br	75-26-3
1,10-Bis(triethylammonium)decane dibromide	C <sub>22</sub> H <sub>50</sub> Br <sub>2</sub> N <sub>2</sub>	51523-41-2	2-Bromopropane	C <sub>4</sub> H <sub>3</sub> BrS	1003-09-4
1,2-Bis(triethylammonium)ethane dibromide	C <sub>14</sub> H <sub>34</sub> Br <sub>2</sub> N <sub>2</sub>	10238-71-8	2-Bromothiophene	CBrCl <sub>3</sub>	75-62-7
1,6-Bis(triethylammonium)hexane dibromide	C <sub>18</sub> H <sub>42</sub> Br <sub>2</sub> N <sub>2</sub>	7072-43-7	Bromotrichloromethane	CBrF <sub>3</sub>	75-63-8
1,8-Bis(triethylammonium)octane dibromide	C <sub>20</sub> H <sub>46</sub> Br <sub>2</sub> N <sub>2</sub>	51523-40-1	Bromotrifluoromethane	C <sub>10</sub> H <sub>10</sub>	1005-51-2
1,5-Bis(triethylammonium)pentane dibromide	C <sub>17</sub> H <sub>40</sub> Br <sub>2</sub> N <sub>2</sub>	7128-82-7	Bullvalene	C <sub>4</sub> H <sub>6</sub>	590-19-2
1,3-Bis(triethylammonium)propane dibromide	C <sub>15</sub> H <sub>36</sub> Br <sub>2</sub> N <sub>2</sub>	7072-41-5	1,2-Butadiene	C <sub>4</sub> H <sub>6</sub>	106-99-0
Bis(2,4,6-trimethylcyclohexyl)methane	C <sub>19</sub> H <sub>36</sub>	unavailable	1,3-Butadiene	(C <sub>7</sub> H <sub>12</sub> ) <sub>n</sub>	24991-43-3
1,3-Bis(trimethylsilyl)propane	C <sub>9</sub> H <sub>24</sub> Si <sub>2</sub>	2295-05-8	2-Butanethiol	C <sub>4</sub> H <sub>8</sub> O	123-72-8
Bis( <i>m</i> -xylene)chromium iodide	C <sub>16</sub> H <sub>20</sub> CrI	35165-78-7	2-Butanethiol	C <sub>4</sub> H <sub>10</sub>	106-97-8
2,2'-Bitetralin	C <sub>20</sub> H <sub>22</sub>	27426-98-8	Butanoic acid	C <sub>4</sub> H <sub>8</sub> N <sub>2</sub> O <sub>2</sub>	110-14-5
Biuret	C <sub>2</sub> H <sub>5</sub> N <sub>3</sub> O <sub>2</sub>	108-19-0	1-Butanol	C <sub>4</sub> H <sub>6</sub> O <sub>4</sub>	110-61-2
Bovine chymotrypsinogen A, anhydrous	C <sub>1077</sub> H <sub>1736</sub> N <sub>304</sub> O <sub>343</sub> S <sub>12</sub>	9035-75-0	2-Butanol	C <sub>4</sub> H <sub>10</sub> O <sub>2</sub>	110-15-6
Bovine chymotrypsinogen A,			Butadiene-propylene copolymer	C <sub>4</sub> H <sub>10</sub> O <sub>2</sub>	107-88-0
			Butanal	C <sub>4</sub> H <sub>10</sub> O <sub>2</sub>	110-63-4
			<i>n</i> -Butane	C <sub>4</sub> H <sub>10</sub> O <sub>2</sub>	513-85-9
			1,4-Butanediame	C <sub>4</sub> H <sub>11</sub> N	109-74-0
			1,4-Butanedinitrile	C <sub>4</sub> H <sub>10</sub> O <sub>4</sub>	149-32-6
			1,4-Butanediioic acid	C <sub>4</sub> H <sub>10</sub> S	109-79-5
			1,3-Butanediol	C <sub>4</sub> H <sub>10</sub> S	513-53-1
			1,4-Butanediol	C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	107-92-6
			2,3-Butanediol	C <sub>4</sub> H <sub>10</sub> O	71-36-3
			Butanenitrile	C <sub>4</sub> H <sub>10</sub> O	78-92-2
			1,2,3,4-Butanetetrol	C <sub>4</sub> H <sub>8</sub> O	78-93-3
			1-Butanethiol	C <sub>4</sub> H <sub>7</sub> ClO	141-75-3
			2-Butanethiol	C <sub>4</sub> H <sub>6</sub> O	123-73-9
			Butanoyl chloride	C <sub>4</sub> H <sub>8</sub>	106-98-9
			2-Butenal	C <sub>4</sub> H <sub>8</sub>	590-18-1
			1-Butene	C <sub>4</sub> H <sub>8</sub>	624-64-6
			cis-2-Butene	C <sub>4</sub> H <sub>8</sub> O <sub>4</sub>	110-16-7
			trans-2-Butene	C <sub>4</sub> H <sub>8</sub> O <sub>4</sub>	110-17-8
			cis-2-Butenedioic acid	(C <sub>4</sub> H <sub>8</sub> O <sub>2</sub> ) <sub>n</sub>	25104-10-3
			trans-2-Butenedioic acid	C <sub>6</sub> H <sub>14</sub> O <sub>2</sub>	111-76-2
			1-Butene polysulfone	C <sub>7</sub> H <sub>16</sub> O <sub>2</sub>	500005-29-8
			2- <i>n</i> -Butoxy-1-ethanol	C <sub>6</sub> H <sub>14</sub> O <sub>2</sub>	111-76-2
			1- <i>n</i> -Butoxy-2-methoxyethane	C <sub>8</sub> H <sub>18</sub> O <sub>3</sub>	112-34-5
			2- <i>n</i> -Butoxyethanol	C <sub>4</sub> H <sub>13</sub> NO	1119-49-9
			2-(2-Butoxyethoxy)ethanol	C <sub>6</sub> H <sub>13</sub> NO	762-84-5
			N- <i>n</i> -Butylacetamide	C <sub>6</sub> H <sub>12</sub> O <sub>2</sub>	123-86-4
			N- <i>tert</i> -Butylacetamide	C <sub>6</sub> H <sub>12</sub> O <sub>2</sub>	540-88-5
			<i>n</i> -Butyl acetate		
			<i>tert</i> -Butyl acetate		

Butyl acrylate	C <sub>7</sub> H <sub>12</sub> O <sub>2</sub>	141-32-2	Cane sugar	C <sub>12</sub> H <sub>22</sub> O <sub>11</sub>	57-50-
<i>n</i> -Butyl alcohol	C <sub>4</sub> H <sub>10</sub> O	71-36-3	Capraldehyde	C <sub>10</sub> H <sub>20</sub> O	112-31-
<i>sec</i> -Butyl alcohol	C <sub>4</sub> H <sub>10</sub> O	78-92-2	Capric acid	C <sub>10</sub> H <sub>20</sub> O <sub>2</sub>	334-48-
<i>tert</i> -Butyl alcohol	C <sub>4</sub> H <sub>10</sub> O	75-65-0	Capric aldehyde	C <sub>10</sub> H <sub>20</sub> O	112-31-
<i>tert</i> -Butylaldehyde	C <sub>5</sub> H <sub>10</sub> O	630-19-3	<i>n</i> -Caproic acid	C <sub>6</sub> H <sub>12</sub> O <sub>2</sub>	142-62-
<i>n</i> -Butylamine	C <sub>4</sub> H <sub>11</sub> N	109-73-9	6-Caprolactam	C <sub>6</sub> H <sub>11</sub> NO	105-60-
<i>tert</i> -Butylamine	C <sub>4</sub> H <sub>11</sub> N	75-64-9	<i>ε</i> -Caprolactam	C <sub>6</sub> H <sub>11</sub> NO	105-60-
<i>tert</i> -Butylammonium perchlorate	C <sub>4</sub> H <sub>12</sub> ClNO <sub>4</sub>	18720-49-5	6-Caprolactone	C <sub>6</sub> H <sub>10</sub> O <sub>2</sub>	502-44-
<i>n</i> -Butylbenzene	C <sub>10</sub> H <sub>14</sub>	104-51-8	<i>ε</i> -Caprolactone	C <sub>6</sub> H <sub>10</sub> O <sub>2</sub>	502-44-
<i>sec</i> -Butylbenzene	C <sub>10</sub> H <sub>14</sub>	135-98-8	Capryl alcohol	C <sub>8</sub> H <sub>18</sub> O	111-87-
<i>tert</i> -Butylbenzene	C <sub>10</sub> H <sub>14</sub>	98-06-6	Caprylaldehyde	C <sub>8</sub> H <sub>16</sub> O	124-13-1
<i>n</i> -Butyl bromide	C <sub>4</sub> H <sub>9</sub> Br	109-65-9	Caprylene	C <sub>8</sub> H <sub>16</sub>	111-66-1
<i>tert</i> -Butyl bromide	C <sub>4</sub> H <sub>9</sub> Br	507-19-7	Caprylic acid	C <sub>8</sub> H <sub>16</sub> O <sub>2</sub>	124-07-
Butyl butanoate	C <sub>8</sub> H <sub>16</sub> O <sub>2</sub>	109-21-7	Carbamylurea	C <sub>2</sub> H <sub>5</sub> N <sub>3</sub> O <sub>2</sub>	108-19-1
Butylchloral	C <sub>4</sub> H <sub>8</sub> Cl <sub>3</sub> O	76-36-8	Carbazole	C <sub>12</sub> H <sub>9</sub> N	86-74-1
<i>n</i> -Butyl chloride	C <sub>4</sub> H <sub>8</sub> Cl	109-69-3	Carbazole-1,3,5-trinitrobenzene adduct	C <sub>18</sub> H <sub>12</sub> N <sub>4</sub> O <sub>6</sub>	6268-68-
<i>sec</i> -Butyl chloride	C <sub>4</sub> H <sub>9</sub> Cl	78-86-4	4-Carbomethoxyhomocubane	C <sub>11</sub> H <sub>12</sub> O <sub>2</sub>	40317-63-
<i>tert</i> -Butyl chloride	C <sub>4</sub> H <sub>9</sub> Cl	507-20-0	Carbon	C	7440-44-1
<i>tert</i> -Butyl cyanide	C <sub>5</sub> H <sub>9</sub> N	630-18-2	Carbon, baked	C	7440-44-1
<i>n</i> -Butylcyclohexane	C <sub>10</sub> H <sub>20</sub>	1678-93-9	Carbon, diamond	C	7782-40-1
<i>tert</i> -Butylcyclohexane	C <sub>10</sub> H <sub>20</sub>	3178-22-1	Carbon diselenide	CSe <sub>2</sub>	506-80-1
17-[3-(4-Butylcyclohexyl)-1-oxopropoxy]-17α, 17(trans)-19-norpregn-4-en-20-yn-3-one			Carbon disulfide	CS <sub>2</sub>	75-15-1
<i>n</i> -Butylcyclopentane	C <sub>3</sub> H <sub>8</sub> O <sub>3</sub>	71203-38-8	Carbon, glassy	C	7440-44-1
α- <i>n</i> -Butyldecalin	C <sub>9</sub> H <sub>18</sub>	2040-95-1	Carbon, GPCO graphite	C	7782-42-1
α- <i>sec</i> -Butyldecalin	C <sub>14</sub> H <sub>26</sub>	92369-80-7	Carbon, graphite	C	7782-42-1
<i>tert</i> -Butyldecalin	C <sub>14</sub> H <sub>26</sub>	92369-82-9	Carbon, graphite, single-crystal	C	7782-42-1
1,4-Butylene glycol-ethylene glycol-			Carbon, irradiated graphite	C	7782-42-1
adipic acid oligomer	C <sub>12</sub> H <sub>22</sub> O <sub>6</sub>	26570-73-0	Carbon, natural graphite	C	7782-42-1
N- <i>n</i> -Butylethanamide	C <sub>6</sub> H <sub>13</sub> NO	1119-49-9	Carbon, pyrolytic graphite	C	7782-42-1
<i>n</i> -Butyl ethanoate	C <sub>6</sub> H <sub>12</sub> O <sub>2</sub>	123-86-4	Carbon tetrabromide	CBr <sub>4</sub>	558-13--
Butyl <i>p</i> -( <i>p</i> -ethoxyphenoxy carbonyl)			Carbon tetrachloride	CCl <sub>4</sub>	56-23-1
phenylcarbonate	C <sub>20</sub> H <sub>22</sub> O <sub>6</sub>	16494-24-9	Carbon tetrafluoride	CF <sub>4</sub>	75-73-1
<i>tert</i> -Butylethylene	C <sub>6</sub> H <sub>12</sub>	558-37-2	Carbonyl chloride	CCl <sub>2</sub> O	75-44-1
<i>tert</i> -Butyl ethyl ether	C <sub>6</sub> H <sub>14</sub> O	637-92-3	Carbonyl sulfide	COS	463-58-
Butylglycol	C <sub>6</sub> H <sub>14</sub> O <sub>2</sub>	111-76-2	Carbisopropoxy methyl methacrylate	C <sub>9</sub> H <sub>14</sub> O <sub>4</sub>	23684-11-1
<i>n</i> -Butyl iodide	C <sub>4</sub> H <sub>9</sub> I	542-69-8	<i>m</i> -Carborane	C <sub>2</sub> H <sub>2</sub> B <sub>10</sub>	16986-24-0
<i>sec</i> -Butyl iodide	C <sub>4</sub> H <sub>9</sub> I	513-48-4	1,7-Carborane-12	C <sub>2</sub> H <sub>2</sub> B <sub>10</sub>	16986-24-0
<i>n</i> -Butyl mercaptan	C <sub>4</sub> H <sub>10</sub> S	109-79-5	4-Carboxypentacyclo [4.3.0.0 <sup>2,5</sup> .0 <sup>3,8</sup> .0 <sup>4,7</sup> ]nonane	C <sub>10</sub> H <sub>10</sub> O <sub>2</sub>	15844-05-0
<i>sec</i> -Butyl mercaptan	C <sub>4</sub> H <sub>10</sub> S	513-53-1	Carboxime(DL)	C <sub>10</sub> H <sub>15</sub> NO	22327-39-1
<i>tert</i> -Butyl mercaptan	C <sub>4</sub> H <sub>10</sub> S	75-66-1	Carboxime(L)	C <sub>10</sub> H <sub>15</sub> NO	2244-16--
Butyl methacrylate	C <sub>8</sub> H <sub>14</sub> O <sub>2</sub>	97-88-1	Castor oil	C <sub>18</sub> H <sub>34</sub> O <sub>3</sub>	8001-79-1
<i>n</i> -Butyl methanoate	C <sub>4</sub> H <sub>10</sub> O <sub>2</sub>	592-84-7	Catechol	C <sub>6</sub> H <sub>6</sub> O <sub>2</sub>	120-80-1
Butyl 2-methyl-2-propenoate	C <sub>8</sub> H <sub>14</sub> O <sub>2</sub>	97-88-1	Cellulose nitrate	(C <sub>6</sub> H <sub>8</sub> N <sub>2</sub> O <sub>9</sub> ) <sub>n</sub>	9004-70-0
<i>n</i> -Butyl methyl sulfide	C <sub>5</sub> H <sub>12</sub> S	628-29-5	Cerium isothiocyanate heptahydrate	C <sub>3</sub> CeN <sub>3</sub> S <sub>3</sub> ·7H <sub>2</sub> O	16648-21-1
5-Butyl-5-nonanol	C <sub>13</sub> H <sub>28</sub> O	597-93-3	Cerium(III) oxalate	C <sub>6</sub> O <sub>12</sub> Ce <sub>2</sub>	13266-83-0
Butyl octadecanoate	C <sub>12</sub> H <sub>24</sub> O <sub>2</sub>	123-95-5	Cesium butyrate	C <sub>4</sub> H <sub>7</sub> CsO <sub>2</sub>	38869-25-1
Butyl ester of pentanoic acid	C <sub>9</sub> H <sub>18</sub> O <sub>2</sub>	591-68-4	Cesium propionate	C <sub>3</sub> H <sub>5</sub> CsO <sub>2</sub>	38869-24-1
<i>tert</i> -Butyl peroxybenzoate	C <sub>11</sub> H <sub>14</sub> O <sub>3</sub>	614-45-9	Cetane	C <sub>16</sub> H <sub>34</sub>	50-81-1
Butyl silicate	C <sub>16</sub> H <sub>36</sub> O <sub>5</sub> Si	4766-57-8	<i>n</i> -Cetyl alcohol	C <sub>16</sub> H <sub>34</sub> O	36653-82--
Butylurea	C <sub>5</sub> H <sub>12</sub> N <sub>2</sub> O	592-31-4	Chloral	C <sub>2</sub> HCl <sub>3</sub> O	75-87-1
<i>tert</i> -Butylurea	C <sub>5</sub> H <sub>12</sub> N <sub>2</sub> O	1118-12-3	Chloranil	C <sub>2</sub> Cl <sub>2</sub> O <sub>2</sub>	118-75-1
1-Butyne	C <sub>4</sub> H <sub>6</sub>	107-00-6	<i>p</i> -Chloranil potassium	C <sub>6</sub> Cl <sub>4</sub> KO <sub>2</sub>	21136-28-1
2-Butyne	C <sub>4</sub> H <sub>6</sub>	503-17-3	Chloroacetic acid	C <sub>2</sub> H <sub>3</sub> ClO <sub>2</sub>	79-11-1
<i>n</i> -Butyraldehyde	C <sub>4</sub> H <sub>8</sub> O	123-72-8	2-Chloroadamantane	C <sub>10</sub> H <sub>15</sub> Cl	7346-41-1
<i>n</i> -Butyric acid	C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	107-92-6	<i>m</i> -Chloroaniline	C <sub>6</sub> H <sub>5</sub> CIN	108-42-1
γ-Butyrolactone	C <sub>4</sub> H <sub>6</sub> O <sub>2</sub>	96-48-0	<i>p</i> -Chloroaniline	C <sub>6</sub> H <sub>5</sub> CIN	106-47-1
Butyryl chloride	C <sub>4</sub> H <sub>7</sub> ClO	141-75-3	2-Chloroanthraquinone	C <sub>14</sub> H <sub>7</sub> ClO <sub>2</sub>	131-09-1
<b>C</b>					
Cadmium dimethyl	C <sub>2</sub> H <sub>6</sub> Cd	506-82-1	Chlorobenzene	C <sub>6</sub> H <sub>5</sub> Cl	108-90-1
Cadmium(II) <i>n</i> -dodecanoate	C <sub>24</sub> H <sub>46</sub> O <sub>4</sub> Cd	2605-44-9	2-Chlorobenzoic acid	C <sub>7</sub> H <sub>5</sub> ClO <sub>2</sub>	118-91-1
Cadmium(II) <i>n</i> -hexadecanoate	C <sub>32</sub> H <sub>62</sub> O <sub>4</sub> Cd	6427-86-7	3-Chlorobenzoic acid	C <sub>7</sub> H <sub>5</sub> ClO <sub>2</sub>	535-80-1
Cadmium(II) <i>n</i> -octadecanoate	C <sub>36</sub> H <sub>70</sub> O <sub>4</sub> Cd	2223-93-0	4-Chlorobenzoic acid	C <sub>7</sub> H <sub>5</sub> ClO <sub>2</sub>	74-11-1
Cadmium(II) <i>n</i> -tetradecanoate	C <sub>28</sub> H <sub>54</sub> O <sub>4</sub> Cd	10196-67-5	2-Chlorobiphenyl	C <sub>12</sub> H <sub>9</sub> Cl	2051-60-7
Caffeine	C <sub>8</sub> H <sub>10</sub> N <sub>4</sub> O <sub>2</sub>	58-08-2	4-Chlorobiphenyl	C <sub>12</sub> H <sub>9</sub> Cl	2051-62-1
Caffeine, anhydrous	C <sub>8</sub> H <sub>10</sub> N <sub>4</sub> O <sub>2</sub>	58-08-2	Chlorobis(N,N-dimethylthiocarbamate)	C <sub>6</sub> H <sub>12</sub> ClFeN <sub>3</sub> S <sub>4</sub>	14879-21-1
Calcium oxalate monohydrate	C <sub>2</sub> CaO <sub>4</sub> ·H <sub>2</sub> O	5794-28-5	iron(III)	C <sub>6</sub> H <sub>4</sub> BrCl	694-80-1
Camphor	C <sub>10</sub> H <sub>16</sub> O	76-22-2	2-Chlorobromobenzene	C <sub>6</sub> H <sub>4</sub> BrCl	108-37-2
Camphor(D)	C <sub>10</sub> H <sub>16</sub> O	464-49-3	3-Chlorobromobenzene	C <sub>6</sub> H <sub>4</sub> BrCl	106-39-8
Camphor(DL)	C <sub>10</sub> H <sub>16</sub> O	21368-68-3	4-Chlorobromobenzene	C <sub>4</sub> H <sub>6</sub> Cl	109-69-1
			1-Chlorobutane	C <sub>4</sub> H <sub>6</sub> Cl	78-86-1
			2-Chlorobutane	C <sub>4</sub> H <sub>6</sub> Cl	

cis-3-Chloro-2-butenoic acid	C <sub>4</sub> H <sub>5</sub> ClO <sub>2</sub>	55831-56-6	Copper butylacetylenide	C <sub>6</sub> H <sub>9</sub> Cu	33589-44-5
trans-3-Chloro-2-butenoic acid	C <sub>4</sub> H <sub>5</sub> ClO <sub>2</sub>	6214-28-4	Copper (II) formate tetradeuterate	C <sub>2</sub> H <sub>2</sub> CuO <sub>4</sub> ·4D <sub>2</sub> O	21774-43-6
β-Chlorocrotonic acid	C <sub>4</sub> H <sub>5</sub> ClO <sub>2</sub>	55831-56-6	Copper (II) formate tetrahydrate	C <sub>2</sub> H <sub>2</sub> CuO <sub>4</sub> ·4H <sub>2</sub> O	5893-61-8
Chlorocyclopentane	C <sub>5</sub> H <sub>9</sub> Cl	930-28-9	Copper phenylacetylenide	C <sub>8</sub> H <sub>5</sub> Cu	13146-23-1
Chlorodifluoromethane	CHClF <sub>2</sub>	75-45-6	Copper phenylethylnylacetylenide	C <sub>10</sub> H <sub>5</sub> Cu	65792-84-9
7-Chloro-1,3-dihydro-5-phenyl-2H-1,4-benzodiazepin-2-one	C <sub>15</sub> H <sub>11</sub> CIN <sub>2</sub> O	1088-11-5	Copper vinylacetylenide	C <sub>4</sub> H <sub>3</sub> Cu	5256-77-9
2-Chloro-9-(3-dimethylaminopropylidene)-10-thioxanthene(Z)	C <sub>18</sub> H <sub>18</sub> CINS	113-59-7	Coriandrol	C <sub>10</sub> H <sub>18</sub> O	126-90-9
2-Chloro-9-(3-dimethylaminopropyl)-10-phenothiazine hydrochloride	C <sub>17</sub> H <sub>20</sub> Cl <sub>2</sub> N <sub>2</sub> S	69-09-0	Coriandrol(L)	C <sub>10</sub> H <sub>18</sub> O	126-90-9
4-Chloro-1,3-dioxolan-2-one	C <sub>4</sub> H <sub>5</sub> ClO <sub>3</sub>	3967-54-2	Coronene	C <sub>24</sub> H <sub>12</sub>	191-07-1
Chloroethane	C <sub>2</sub> H <sub>5</sub> Cl	75-00-3	Coumaran	C <sub>8</sub> H <sub>8</sub> O	496-14-0
Chloroethyl methacrylate	C <sub>6</sub> H <sub>9</sub> ClO <sub>2</sub>	1888-94-4	Coumarin	C <sub>6</sub> H <sub>4</sub> O <sub>2</sub>	91-64-5
Chloroform	CHCl <sub>3</sub>	67-66-3	Creatine	C <sub>4</sub> H <sub>9</sub> N <sub>3</sub> O <sub>2</sub>	6020-87-7
1-Chloroheptane	C <sub>7</sub> H <sub>15</sub> Cl	629-06-1	Creatine hydrate	C <sub>4</sub> H <sub>9</sub> N <sub>3</sub> O <sub>2</sub> ·H <sub>2</sub> O	57-00-1
1-Chlorohexane	C <sub>6</sub> H <sub>13</sub> Cl	544-10-5	Creatinine	C <sub>4</sub> H <sub>7</sub> N <sub>3</sub> O	60-27-5
β-Chloroisocrotonic acid	C <sub>4</sub> H <sub>5</sub> ClO <sub>2</sub>	6214-28-4	m-Cresol	C <sub>7</sub> H <sub>8</sub> O	108-39-4
2-Chloroisobutanesuacetauilde	C <sub>8</sub> H <sub>7</sub> ClN <sub>2</sub> O <sub>2</sub>	14722-82-8	o-Cresol	C <sub>7</sub> H <sub>8</sub> O	95-48-7
Chloromethane	CH <sub>3</sub> Cl	74-87-3	p-Cresol	C <sub>7</sub> H <sub>8</sub> O	106-44-5
2-Chloro-4-(methoxymethyl)-6-methyl-5-nitro-3-pyridinecarbonitrile	C <sub>9</sub> H <sub>8</sub> ClN <sub>3</sub> O <sub>3</sub>	719-48-2	Crotonaldehyde	C <sub>4</sub> H <sub>6</sub> O	4170-30-3
1-Chloro-3-methylbutane	C <sub>5</sub> H <sub>11</sub> Cl	107-84-6	Cubane	C <sub>8</sub> H <sub>8</sub>	277-10-1
4-Chloromethyl-1,3-dioxolan-2-one	C <sub>5</sub> H <sub>7</sub> ClO <sub>3</sub>	2463-45-8	Cumene	C <sub>9</sub> H <sub>12</sub>	98-82-8
1-Chloro-2-methylpropane	C <sub>4</sub> H <sub>9</sub> Cl	513-36-0	p-α-Cumylphenol	C <sub>15</sub> H <sub>16</sub> O	599-64-4
2-Chloro-2-methylpropane	C <sub>4</sub> H <sub>9</sub> Cl	507-20-0	Cyanamid	CH <sub>2</sub> N <sub>2</sub>	156-62-7
1-Choronaphthalene	C <sub>10</sub> H <sub>7</sub> Cl	90-13-1	Cyanoacetamide	C <sub>4</sub> H <sub>4</sub> N <sub>2</sub> O	107-91-5
2-Choronaphthalene	C <sub>10</sub> H <sub>7</sub> Cl	91-58-7	1-Cyanobicyclo[1.1.0]butane	C <sub>5</sub> H <sub>3</sub> N	16955-35-4
1-Chloro-2-nitrobenzene	C <sub>6</sub> H <sub>4</sub> ClNO <sub>2</sub>	88-73-3	1-Cyanobicyclo[2.2.1]heptane	C <sub>8</sub> H <sub>11</sub> N	103434-09-9
2-Chloro-2-nitropropane	C <sub>3</sub> H <sub>6</sub> ClNO <sub>2</sub>	594-71-8	2-Cyanobicyclo[2.2.1]heptane(endo)	C <sub>9</sub> H <sub>11</sub> N	3211-87-8
1-Chlorooctadecane	C <sub>18</sub> H <sub>37</sub> Cl	3386-33-2	2-Cyanobicyclo[2.2.1]heptane(exo)	C <sub>8</sub> H <sub>11</sub> N	3211-09-3
1-Chlorooctane	C <sub>8</sub> H <sub>17</sub> Cl	111-85-3	1-Cyanobicyclo[3.1.0]hexane	C <sub>7</sub> H <sub>9</sub> N	31357-72-9
1-Chloro-1,3,3,3-pentafluoropropane	C <sub>3</sub> H <sub>2</sub> ClF <sub>5</sub>	76-15-3	1-Cyanobicyclo[2.1.0]pentane	C <sub>6</sub> H <sub>7</sub> N	31357-71-8
Chloropentamethylbenzene	C <sub>11</sub> H <sub>15</sub> Cl	5153-39-9	Cyanocyclobutane	C <sub>5</sub> H <sub>3</sub> N	4426-11-3
1-Chloropentane	C <sub>5</sub> H <sub>11</sub> Cl	543-59-9	Cyanocyclohexane	C <sub>5</sub> H <sub>11</sub> N	766-05-2
2-Chlorophenol	C <sub>6</sub> H <sub>5</sub> ClO	95-57-8	Cyanocyclopentane	C <sub>6</sub> H <sub>9</sub> N	4254-02-8
3-Chlorophenol	C <sub>6</sub> H <sub>5</sub> ClO	108-43-0	Cyanocyclopropane	C <sub>4</sub> H <sub>3</sub> N	5500-21-0
4-Chlorophenol	C <sub>6</sub> H <sub>5</sub> ClO	106-48-9	Cyanoethane	C <sub>3</sub> H <sub>3</sub> N	107-12-0
m-Chlorophenylisocyanate	C <sub>7</sub> H <sub>4</sub> CINO	2909-38-8	Cyanoethene	C <sub>3</sub> H <sub>3</sub> N	107-13-1
p-Chlorophenylisocyanate	C <sub>7</sub> H <sub>4</sub> CINO	104-12-1	Cyanogen	C <sub>2</sub> N <sub>2</sub>	460-19-5
17-[6-(4-Chlorophenyl)-1-oxohexyl]oxy-(17α)-19-norgregn-4-en-20-yn-3-one	C <sub>32</sub> H <sub>39</sub> ClO <sub>3</sub>	71203-42-4	3-Cyano-4-methoxymethyl-6-methyl-(2-pyridone)	C <sub>9</sub> H <sub>10</sub> N <sub>2</sub> O <sub>2</sub>	6339-38-4
1-Chloropropane	C <sub>3</sub> H <sub>7</sub> Cl	540-54-5	3-Cyano-4-methoxymethyl-5-nitro-6-methyl-(2-pyridone)	C <sub>9</sub> H <sub>9</sub> N <sub>3</sub> O <sub>4</sub>	6281-75-0
3-Chloropropene-1	C <sub>3</sub> H <sub>5</sub> Cl	107-05-1	1-Cyano-3-methylenecyclobutane	C <sub>6</sub> H <sub>7</sub> N	15760-35-7
2-Chlorothiophene	C <sub>4</sub> H <sub>5</sub> ClS	96-43-5	2-Cyano-2-methylpropane	C <sub>5</sub> H <sub>9</sub> N	630-18-2
α-Chlorotoluene	C <sub>7</sub> H <sub>7</sub> Cl	100-44-7	2-Cyanopropane	C <sub>4</sub> H <sub>7</sub> N	78-82-0
2-chloro-6-(trichloromethyl)pyridine	C <sub>6</sub> H <sub>5</sub> Cl <sub>4</sub> N	1929-82-4	α-Cyanopropionaldehyde	C <sub>4</sub> H <sub>5</sub> NO	26692-50-2
Chlorotrifluoroethene	C <sub>2</sub> Cl <sub>2</sub> F <sub>3</sub>	79-38-9	β-Cyanopropionaldehyde	C <sub>4</sub> H <sub>5</sub> NO	3515-93-3
Chlorotrifluoroethylene	C <sub>2</sub> Cl <sub>2</sub> F <sub>3</sub>	79-38-9	Cyanuric acid	C <sub>3</sub> H <sub>3</sub> N <sub>3</sub> O <sub>3</sub>	108-80-5
Chlorotrimethylsilane	C <sub>3</sub> H <sub>9</sub> ClSi	75-77-4	Cyclam	C <sub>10</sub> H <sub>24</sub> N <sub>4</sub>	295-37-4
Chlormazine hydrochloride	C <sub>17</sub> H <sub>20</sub> Cl <sub>2</sub> N <sub>2</sub> S	69-09-0	Cyclobutane	C <sub>4</sub> H <sub>8</sub>	287-23-0
Chloroprothixene	C <sub>18</sub> H <sub>18</sub> CINS	113-59-7	α-Cyclodextrin	C <sub>5</sub> H <sub>3</sub> N	4426-11-3
Cholesterol	C <sub>27</sub> H <sub>46</sub> O	57-88-5	β-Cyclodextrin	C <sub>36</sub> H <sub>60</sub> O <sub>30</sub>	10016-20-3
Cholesterlyl myristate	C <sub>41</sub> H <sub>72</sub> O <sub>2</sub>	1989-52-2	γ-Cyclodextrin	C <sub>42</sub> H <sub>70</sub> O <sub>35</sub>	7585-39-9
Cholesterlyl oleate	C <sub>44</sub> H <sub>76</sub> O <sub>2</sub>	303-43-5	β-Cyclodextrin undecahydrate	C <sub>48</sub> H <sub>80</sub> O <sub>40</sub>	17465-86-0
Cholesterlyl palmitate	C <sub>41</sub> H <sub>76</sub> O <sub>2</sub>	601-34-3	trans,trans,cis-1,5,9-Cyclododecatriene	C <sub>42</sub> H <sub>70</sub> O <sub>35</sub> ·11H <sub>2</sub> O	85490-99-9
Cholesterlyl stearate	C <sub>45</sub> H <sub>80</sub> O <sub>2</sub>	35602-69-8	Cycloheptaamylose	C <sub>12</sub> H <sub>18</sub>	706-31-0
Chroman	C <sub>9</sub> H <sub>10</sub> O	493-08-3	Cycloheptaamylose undecahydrate	C <sub>42</sub> H <sub>70</sub> O <sub>35</sub>	7585-39-9
Chromium acetylacetone	C <sub>15</sub> H <sub>21</sub> CrO <sub>6</sub>	21679-31-2	Cycloheptane	C <sub>12</sub> H <sub>14</sub> O <sub>3</sub>	85490-99-9
Chromocene	C <sub>10</sub> H <sub>10</sub> Cr	1271-24-5	Cycloheptane-thiourea adduct	C <sub>12</sub> H <sub>14</sub> O <sub>3</sub>	85490-99-9
Chromone	C <sub>9</sub> H <sub>8</sub> O <sub>2</sub>	491-38-3	Cycloheptanol	C <sub>42</sub> H <sub>70</sub> O <sub>35</sub> ·11H <sub>2</sub> O	85490-99-9
Cinnamic acid	C <sub>9</sub> H <sub>8</sub> O <sub>2</sub>	140-10-3	Cycloheptatriene	C <sub>7</sub> H <sub>14</sub>	291-64-5
Citral	C <sub>10</sub> H <sub>16</sub> O	55-52-7	Cycloheptene	C <sub>10</sub> H <sub>26</sub> N <sub>6</sub> S <sub>3</sub>	39822-97-4
Citric acid	C <sub>6</sub> H <sub>8</sub> O <sub>7</sub>	77-92-9	Cyclohexadiene	C <sub>7</sub> H <sub>14</sub> O	502-41-0
Citric acid monohydrate	C <sub>6</sub> H <sub>8</sub> O <sub>7</sub> ·H <sub>2</sub> O	5949-29-1	1,3-Cyclohexadiene	C <sub>7</sub> H <sub>8</sub>	544-25-2
Citrulline(DL)	C <sub>6</sub> H <sub>11</sub> N <sub>3</sub> O <sub>3</sub>	627-77-0	Cyclohexane	C <sub>7</sub> H <sub>12</sub>	628-92-2
Cobaltocene	C <sub>10</sub> H <sub>10</sub> Co	1277-43-6	Cyclohexane-d <sub>12</sub>	C <sub>7</sub> H <sub>12</sub>	45509-99-7
2,4,6-Collidine	C <sub>8</sub> H <sub>11</sub> N	108-75-8	cis-Cyclohexane-1,2-dicarboxylic anhydride	C <sub>36</sub> H <sub>60</sub> O <sub>30</sub>	10016-20-3
Congressane	C <sub>14</sub> H <sub>20</sub>	2292-79-1	1,3-Cyclohexanedione	C <sub>6</sub> H <sub>8</sub>	592-57-4
Copper acetylacetone	C <sub>10</sub> H <sub>14</sub> CuO <sub>2</sub>	13395-16-9	1,4-Cyclohexanedione	C <sub>6</sub> H <sub>8</sub>	628-41-1
Copper benzylacetylenide	C <sub>9</sub> H <sub>9</sub> Cu	66582-10-3		C <sub>6</sub> H <sub>12</sub>	110-82-7
				C <sub>6</sub> D <sub>12</sub>	1735-17-7
				C <sub>8</sub> H <sub>10</sub> O <sub>3</sub>	13149-00-3
				C <sub>6</sub> H <sub>8</sub> O <sub>2</sub>	504-02-9
				C <sub>8</sub> H <sub>8</sub> O <sub>2</sub>	637-88-7

Cyclohexanethiol	C <sub>6</sub> H <sub>12</sub> S	1569-69-3	5-Decanol	C <sub>10</sub> H <sub>22</sub> O	5205-34-4
Cyclohexane-thiourea adduct	C <sub>9</sub> H <sub>24</sub> N <sub>6</sub> S <sub>3</sub>	33561-77-2	1-Decene	C <sub>10</sub> H <sub>20</sub>	872-05-5
Cyclohexanol	C <sub>6</sub> H <sub>12</sub> O	108-93-0	1-Decene-urea adduct	C <sub>2,3</sub> H <sub>6,7</sub> N <sub>2</sub> O	24494-58-1
Cyclohexanone	C <sub>6</sub> H <sub>10</sub> O	108-94-1	n-Decyl alcohol	C <sub>10</sub> H <sub>22</sub> O	112-30-1
Cyclohexanone oxime	C <sub>6</sub> H <sub>11</sub> NO	100-64-1	Decylcyanobiphenyl	C <sub>23</sub> H <sub>29</sub> N	59454-35-1
(Cyclohexatriene)(cyclopentadienyl) iron(II) hexafluorophosphate	C <sub>11</sub> H <sub>11</sub> F <sub>6</sub> FeP	12176-31-7	n-Decylcyclohexane	C <sub>16</sub> H <sub>32</sub>	1795-16-1
Cyclohexene	C <sub>6</sub> H <sub>10</sub>	110-83-8	n-Decylcyclopentane	C <sub>15</sub> H <sub>30</sub>	1795-21-1
Cyclohexene oxide	C <sub>6</sub> H <sub>10</sub> O	286-20-4	11-n-Decylheneicosane	C <sub>31</sub> H <sub>64</sub>	55320-06-1
Cyclohexyl alcohol	C <sub>6</sub> H <sub>12</sub> O	108-93-0	n-Decyl mercaptan	C <sub>10</sub> H <sub>22</sub> S	143-10-1
Cyclohexylbenzene	C <sub>12</sub> H <sub>16</sub>	827-52-1	Decyl methacrylate	C <sub>14</sub> H <sub>26</sub> O <sub>2</sub>	3179-47-1
17-[4-Cyclohexylbenzoyl]oxy]-[17 $\alpha$ ]-19-norpregn-4-en-20-yn-3-one	C <sub>33</sub> H <sub>40</sub> O <sub>3</sub>	71203-41-2	Dehydroisophytol	C <sub>20</sub> H <sub>38</sub> O	29171-23-1
Cyclohexyl bromide	C <sub>6</sub> H <sub>11</sub> Br	108-85-0	Dextrose	C <sub>6</sub> H <sub>12</sub> O <sub>6</sub>	50-99-
Cyclohexyl cyanide	C <sub>7</sub> H <sub>11</sub> N	766-05-2	Diacenaphtho[1,2-j;1',2'-l]-fluoranthene	C <sub>36</sub> H <sub>18</sub>	191-48-1
Cyclohexyl(ethylcyclohexyl)methane	C <sub>15</sub> H <sub>28</sub>	66374-71-8	1,2-Diaceto-3-stearin	C <sub>25</sub> H <sub>46</sub> O <sub>6</sub>	26836-44-1
Cyclohexyl(2-ethylcyclohexyl)methane	C <sub>15</sub> H <sub>28</sub>	66374-71-8	1,7-Diacetoxyl-2,4,6-trinitro-2,4,6-triazaheptane	C <sub>8</sub> H <sub>14</sub> N <sub>6</sub> O <sub>10</sub>	14173-62-1
11-Cyclohexylheneicosane	C <sub>27</sub> H <sub>54</sub>	6703-99-7	p-Diacetylbenzene diethyl ketal	C <sub>18</sub> H <sub>30</sub> O <sub>4</sub>	47189-08-1
Cyclohexyl isocyanide	C <sub>7</sub> H <sub>11</sub> N	931-53-3	1,1'-Diacetylferrocene	C <sub>14</sub> H <sub>14</sub> FeO <sub>2</sub>	1273-94-1
1-Cyclohexyl-1-isopropylcyclohexylethane	C <sub>17</sub> H <sub>32</sub>	unavailable	1,1'-Diadamantyl ketone	C <sub>21</sub> H <sub>30</sub> O	38256-01-1
Cyclohexyl(isopropylcyclohexyl)methane	C <sub>16</sub> H <sub>30</sub>	unavailable	Diallyl	C <sub>6</sub> H <sub>10</sub>	592-42-1
Cyclohexyl mercaptan	C <sub>6</sub> H <sub>12</sub> S	1569-69-3	Diamantane	C <sub>14</sub> H <sub>20</sub>	2292-79-1
1-Cyclohexyl-3-methylhydroindan	C <sub>16</sub> H <sub>26</sub>	unavailable	2,4-Diaminoazobenzene	C <sub>12</sub> H <sub>12</sub> N <sub>4</sub>	495-54-1
1-Cyclohexyl-1,3,3-trimethylhydroindan	C <sub>18</sub> H <sub>32</sub>	22236-61-9	4,4'-Diaminodiphenyl ether	C <sub>12</sub> H <sub>12</sub> N <sub>2</sub> O	101-80-1
Cyclooctaamylene	C <sub>48</sub> H <sub>80</sub> O <sub>40</sub>	17465-86-0	4,4'-Diaminodiphenyl oxide	C <sub>12</sub> H <sub>12</sub> N <sub>2</sub> O <sub>2</sub> S	101-80-1
Cyclooctadecane	C <sub>18</sub> H <sub>36</sub>	296-18-4	4,4'-Diaminodiphenyl sulfone	C <sub>2</sub> H <sub>8</sub> N <sub>2</sub>	107-15-1
Cycloocta-1,5-diene	C <sub>8</sub> H <sub>12</sub>	111-78-4	1,2-Diaminoethane	C <sub>8</sub> H <sub>20</sub> N <sub>4</sub>	24028-46-1
Cyclooctane	C <sub>8</sub> H <sub>16</sub>	292-64-8	N,N'-Di-(2-aminoethyl)piperazine	C <sub>4</sub> H <sub>12</sub> N <sub>2</sub>	811-93-1
Cyclooctane-thiourea adduct	C <sub>11</sub> H <sub>28</sub> N <sub>6</sub> S <sub>3</sub>	39822-99-6	1,2-Diaminopropane	C <sub>3</sub> H <sub>10</sub> N <sub>2</sub>	78-90-1
Cyclooctatetraene	C <sub>8</sub> H <sub>8</sub>	629-20-9	Diamond	C	7782-40-1
Cyclooctene	C <sub>8</sub> H <sub>14</sub>	931-88-4	4,4'-Dianilino-3,3'-diaminodiphenyl ether	C <sub>24</sub> H <sub>22</sub> N <sub>4</sub> O	18888-98-1
Cyclopentadiene	C <sub>5</sub> H <sub>6</sub>	542-92-7	4,4'-Dianilino-3,3'-diaminodiphenyl oxide	C <sub>24</sub> H <sub>22</sub> N <sub>4</sub> O	18888-98-1
Cyclopentadienyl manganese tricarbonyl	C <sub>8</sub> H <sub>5</sub> MnO <sub>3</sub>	12079-65-1	Dianisyldiethynylsilane	C <sub>18</sub> H <sub>16</sub> O <sub>2</sub> Si	55986-09-1
Cyclopentadienyl tricarbonyl manganese	C <sub>8</sub> H <sub>5</sub> MnO <sub>3</sub>	120709-65-1	1,4-Diazabicyclo[2.2.2]octane	C <sub>6</sub> H <sub>12</sub> N <sub>2</sub>	280-57-1
Cyclopentane	C <sub>5</sub> H <sub>10</sub>	287-92-3	2,3-Diazabicyclo[2.2.2]oct-2-ene N-oxide	C <sub>6</sub> H <sub>10</sub> N <sub>2</sub> O	25926-96-1
Cyclopentanethiol	C <sub>5</sub> H <sub>10</sub> S	1679-07-8	6,7-Diazatricyclo[3.2.2.0 <sup>2,4</sup> ]non-6-ene N-oxide	C <sub>7</sub> H <sub>10</sub> N <sub>2</sub> O	25926-99-1
Cyclopentanol	C <sub>5</sub> H <sub>10</sub> O	96-41-3	1,2,3,4-Dibenzanthracene-picric acid	C <sub>28</sub> H <sub>17</sub> N <sub>3</sub> O <sub>7</sub>	72454-46-1
Cyclopentene	C <sub>5</sub> H <sub>8</sub>	142-29-0	1,2,5,6-Dibenzanthracene-picric acid	C <sub>28</sub> H <sub>17</sub> N <sub>3</sub> O <sub>7</sub>	1951-78-1
Cyclopentylamine	C <sub>5</sub> H <sub>11</sub> N	1003-03-8	Dibenzofuran	C <sub>12</sub> H <sub>8</sub> O	132-64-1
Cyclopentylbicyclohexyl	C <sub>17</sub> H <sub>30</sub>	26447-22-3	Dibenzothiophène	C <sub>13</sub> H <sub>8</sub> S	132-65-1
Cyclopentyl cyanide	C <sub>6</sub> H <sub>9</sub> N	4254-02-8	1,2-Dibenzoylethylene	C <sub>16</sub> H <sub>14</sub> O <sub>2</sub>	495-71-1
Cyclopentyl mercaptan	C <sub>5</sub> H <sub>10</sub> S	1679-07-8	1,1'-Dibenzoylferrrocene	C <sub>16</sub> H <sub>12</sub> O <sub>2</sub>	4070-75-1
Cyclopentyl methyl sulfide	C <sub>6</sub> H <sub>12</sub> S	7133-36-0	Dibenzyl	C <sub>24</sub> H <sub>18</sub> FeO <sub>2</sub>	12180-80-1
Cyclopentyl-1-thiaethane	C <sub>6</sub> H <sub>12</sub> S	7133-36-0	Dibromoacetic acid	C <sub>14</sub> H <sub>14</sub>	103-29-1
Cyclopropane	C <sub>3</sub> H <sub>6</sub>	75-19-4	1,2-Dibromobenzene	C <sub>2</sub> H <sub>2</sub> Br <sub>2</sub> O <sub>2</sub>	631-64-1
Cyclopropylamine	C <sub>2</sub> H <sub>7</sub> N	765-30-0	1,3-Dibromobenzene	C <sub>4</sub> H <sub>6</sub> Br <sub>2</sub>	583-53-1
Cyclopropyl cyanide	C <sub>4</sub> H <sub>5</sub> N	5500-21-0	1,4-Dibromobenzene	C <sub>6</sub> H <sub>4</sub> Br <sub>2</sub>	108-36-1
Cyclo-di-p-xylene	C <sub>16</sub> H <sub>16</sub>	1633-22-3	p-Dibromobenzene	C <sub>6</sub> H <sub>4</sub> Br <sub>2</sub>	106-37-1
Cymantrene	C <sub>8</sub> H <sub>5</sub> MnO <sub>3</sub>	12079-65-1	1',1'''-Diiodobiferrocenium hexafluoroantimonate	C <sub>6</sub> H <sub>4</sub> Br <sub>2</sub>	106-37-1
p-Cymene	C <sub>10</sub> H <sub>14</sub>	99-87-6	1,4-Dibromobutane	C <sub>20</sub> H <sub>16</sub> F <sub>6</sub> Fe <sub>2</sub> I <sub>2</sub> SB	140677-36-1
Cysteine(L)	C <sub>3</sub> H <sub>7</sub> NO <sub>2</sub> S	52-90-4	1,4-Dibromo-2,3-dichlorohexafluorobutane	C <sub>4</sub> H <sub>8</sub> Br <sub>2</sub>	110-52-1
Cystine(L)	C <sub>6</sub> H <sub>12</sub> N <sub>2</sub> O <sub>4</sub> S <sub>2</sub>	56-89-3	1,2-Dibromoethane	C <sub>4</sub> Br <sub>2</sub> Cl <sub>2</sub> F <sub>6</sub>	375-42-1
Cytosine	C <sub>4</sub> H <sub>5</sub> N <sub>3</sub> O	71-30-7	1,2-Dibromoethane-d <sub>1</sub>	C <sub>2</sub> H <sub>4</sub> Br <sub>2</sub>	106-93--
<b>D</b>					
Decachlorobiphenyl	C <sub>12</sub> Cl <sub>10</sub>	2051-24-3	1,2-Dibromoethane-d <sub>2</sub> (1,1)	C <sub>2</sub> H <sub>3</sub> DBr <sub>2</sub>	unavailabl
Decacyclene	C <sub>36</sub> H <sub>18</sub>	191-48-0	1,2-Dibromoethane-d <sub>2</sub> (1,2)	C <sub>2</sub> D <sub>2</sub> H <sub>3</sub> Br <sub>2</sub>	unavailabl
Decafluorobiphenyl	C <sub>12</sub> F <sub>10</sub>	434-90-2	1,2-Dibromoethane-d <sub>3</sub>	C <sub>2</sub> D <sub>2</sub> H <sub>2</sub> Br <sub>2</sub>	126266-42-1
Decahydronaphthalene	C <sub>10</sub> H <sub>18</sub>	91-17-8	1,2-Dibromoethane-d <sub>4</sub>	C <sub>2</sub> HD <sub>3</sub> Br <sub>2</sub>	117164-17-7
cis-Decahydronaphthalene	C <sub>10</sub> H <sub>18</sub>	91-17-8	Dibromoethanoic acid	C <sub>2</sub> D <sub>4</sub> Br <sub>2</sub>	22581-63-1
trans-Decahydronaphthalene	C <sub>10</sub> H <sub>18</sub>	493-02-7	Dibromomethane	C <sub>2</sub> H <sub>2</sub> Br <sub>2</sub> O <sub>2</sub>	631-64-1
Decalin	C <sub>10</sub> H <sub>18</sub>	91-17-8	2,4-Dibromophenol	CH <sub>2</sub> Br <sub>2</sub>	74-95-3
cis-Decalin	C <sub>10</sub> H <sub>18</sub>	493-01-6	1,2-Dibromoethane-d <sub>3</sub>	C <sub>6</sub> H <sub>4</sub> Br <sub>2</sub> O	615-58-7
trans-Decalin	C <sub>10</sub> H <sub>18</sub>	493-02-7	1,2-Dibromoethane-d <sub>4</sub>	C <sub>6</sub> H <sub>6</sub> Br <sub>2</sub>	78-75-1
Decanal	C <sub>10</sub> H <sub>20</sub> O	112-31-2	Dibromoethanoic acid	C <sub>2</sub> H <sub>6</sub> Br <sub>2</sub>	109-64-8
n-Decane	C <sub>10</sub> H <sub>22</sub>	124-18-5	Dibromomethane	C <sub>2</sub> Br <sub>2</sub> F <sub>4</sub>	124-73-2
1-Decanethiol	C <sub>10</sub> H <sub>22</sub> S	143-10-2	2,4-Dibromophenol		
Decanoic acid	C <sub>10</sub> H <sub>20</sub> O <sub>2</sub>	334-48-5	1,2-Dibromopropane		
1-Decanol	C <sub>10</sub> H <sub>22</sub> O	112-30-1	1,3-Dibromopropane		
			1,2-Dibromotetrafluoroethane		

1,6-Dibromo-2,3,5-trichlorononafuorohexane	C <sub>6</sub> Br <sub>2</sub> Cl <sub>3</sub> F <sub>9</sub>	85131-86-8	2,2-Dicyanopropane	C <sub>5</sub> H <sub>6</sub> N <sub>2</sub>	7321-55-3
4,4'-Dibutanoyloxydiphenyldiacetylene	C <sub>24</sub> H <sub>22</sub> O <sub>4</sub>	92341-25-8	1,3-Dicyclohexylbutane	C <sub>16</sub> H <sub>30</sub>	41851-35-8
5,6-Dibutyl-5,6-bis(4- <i>tert</i> -butylphenyl)decane	C <sub>38</sub> H <sub>62</sub>	85668-76-4	1,1-Dicyclohexyldodecane	C <sub>24</sub> H <sub>46</sub>	18254-57-4
Di- <i>tert</i> -butylidiazene-N-oxide	C <sub>8</sub> H <sub>18</sub> N <sub>2</sub> O	87339-11-5	2,11-Dicyclohexyldodecane	C <sub>24</sub> H <sub>46</sub>	95746-44-4
2,6-Di- <i>tert</i> -butyl-4-(3,5-di- <i>tert</i> -butyl-4-oxocyclohexa-2,5-dienylidene methyl phenol	C <sub>29</sub> H <sub>42</sub> O <sub>2</sub>	4534-84-3	1,1-Dicyclohexylethane	C <sub>14</sub> H <sub>26</sub>	2319-61-1
2,6-Di- <i>tert</i> -butyl-4-(3,5-di- <i>tert</i> -butyl-4-oxocyclohexa-2,5-dienylidene methyl phenoxy)	C <sub>29</sub> H <sub>41</sub> O <sub>2</sub>	2370-18-5	1,2-Dicyclohexylethane	C <sub>14</sub> H <sub>26</sub>	3321-50-4
Di- <i>n</i> -butyl ether	C <sub>8</sub> H <sub>18</sub> O	142-96-1	1,2-Dicyclohexylpropane	C <sub>19</sub> H <sub>36</sub>	2090-15-5
Di- <i>tert</i> -butyl ether	C <sub>8</sub> H <sub>18</sub> O	6163-66-2	<i>endo</i> -Dicyclopentylcyclopentane	C <sub>15</sub> H <sub>28</sub>	3178-23-2
Di- <i>n</i> -butyl ketone	C <sub>9</sub> H <sub>18</sub> O	502-56-7	1,3-Dicyclopentylcyclopentane	C <sub>10</sub> H <sub>12</sub>	1755-01-7
4,4'-Di- <i>n</i> -butyloxyazoxybenzene	C <sub>20</sub> H <sub>26</sub> N <sub>2</sub> O <sub>3</sub>	17051-01-3	4,4'-Didecanoyloxydiphenyldiacetylene	C <sub>15</sub> H <sub>26</sub>	6051-40-7
Di- <i>tert</i> -butyl peroxide	C <sub>8</sub> H <sub>18</sub> O <sub>2</sub>	110-05-4	Di- <i>n</i> -decylammonium chloride	C <sub>36</sub> H <sub>46</sub> O <sub>4</sub>	92341-28-1
Dibutyl <i>o</i> -phthalate	C <sub>16</sub> H <sub>22</sub> O <sub>4</sub>	84-74-2	Di- <i>n</i> -decyl sebacate	C <sub>20</sub> H <sub>44</sub> ClN	2486-84-2
Di- <i>n</i> -butyl sebacate	C <sub>18</sub> H <sub>34</sub> O <sub>4</sub>	109-43-3	4,4'-Didodecanoyloxydiphenyldiacetylene	C <sub>30</sub> H <sub>58</sub> O <sub>4</sub>	2432-89-5
Dibutyl succinate	C <sub>12</sub> H <sub>22</sub> O <sub>4</sub>	141-03-7	Di- <i>n</i> -dodecyl sebacate	C <sub>34</sub> H <sub>64</sub> O <sub>4</sub>	2432-88-4
Di- <i>n</i> -butyl sulfide	C <sub>8</sub> H <sub>18</sub> S	544-40-1	Diethanolamine	C <sub>4</sub> H <sub>11</sub> NO <sub>2</sub>	111-42-2
1,3-Dibutylurea	C <sub>9</sub> H <sub>20</sub> N <sub>2</sub> O	1792-17-2	4,4'-Diethoxyazoxybenzene	C <sub>20</sub> H <sub>44</sub> O <sub>4</sub>	92341-23-6
Dichloroacetic acid	C <sub>2</sub> H <sub>2</sub> Cl <sub>2</sub> O <sub>2</sub>	79-43-6	4,4'-Diethoxybenzene	C <sub>16</sub> H <sub>18</sub> N <sub>2</sub> O <sub>3</sub>	4792-83-0
1,2-Dichlorobenzene	C <sub>6</sub> H <sub>4</sub> Cl <sub>2</sub>	95-50-1	1,1-Diethoxyethane	C <sub>6</sub> H <sub>4</sub> O <sub>2</sub>	105-57-7
1,3-Dichlorobenzene	C <sub>6</sub> H <sub>4</sub> Cl <sub>2</sub>	541-73-1	1,2-Diethoxyethane	C <sub>6</sub> H <sub>11</sub> O <sub>2</sub>	629-14-1
1,4-Dichlorobenzene	C <sub>6</sub> H <sub>4</sub> Cl <sub>2</sub>	106-46-7	Diethylamine	C <sub>4</sub> H <sub>11</sub> N	109-89-7
<i>m</i> -Dichlorobenzene	C <sub>6</sub> H <sub>4</sub> Cl <sub>2</sub>	541-73-1	Diethylaminoethyl methacrylate	C <sub>10</sub> H <sub>19</sub> NO <sub>2</sub>	105-16-8
<i>o</i> -Dichlorobenzene	C <sub>6</sub> H <sub>4</sub> Cl <sub>2</sub>	95-50-1	N,N-Diethylaniline	C <sub>10</sub> H <sub>15</sub> N	91-66-7
<i>p</i> -Dichlorobenzene	C <sub>6</sub> H <sub>4</sub> Cl <sub>2</sub>	106-46-7	1',1'''-Diethylbiferrocenium triiodide	C <sub>24</sub> H <sub>26</sub> I <sub>3</sub> Fe <sub>2</sub>	78713-00-5
<i>p</i> -Dichlorobenzophenone	C <sub>15</sub> H <sub>8</sub> Cl <sub>2</sub> O	90-98-2	4,5-Diethyl-4,5-bis-(4- <i>tert</i> -butylphenyl)octane	C <sub>32</sub> H <sub>50</sub>	85668-73-1
4,4'-Dichlorobenzophenone	C <sub>13</sub> H <sub>8</sub> Cl <sub>2</sub> O	90-98-2	Diethyl carbonate	C <sub>5</sub> H <sub>10</sub> O <sub>3</sub>	105-58-8
<i>cis</i> -Dichlorobis(methylamine)platinum	C <sub>10</sub> H <sub>10</sub> Cl <sub>2</sub> N <sub>2</sub> Pt	15273-32-2	Diethylcyclohexane	C <sub>10</sub> H <sub>20</sub>	1331-43-7
<i>trans</i> -Dichlorobis(methylamine)platinum	C <sub>2</sub> H <sub>10</sub> Cl <sub>2</sub> N <sub>2</sub> Pt	15319-09-2	1,4-Diethylcyclohexane	C <sub>10</sub> H <sub>20</sub>	1679-00-1
1,2-Dichlorobutane	C <sub>4</sub> H <sub>8</sub> Cl <sub>2</sub>	616-21-7	Diethyl disulfide	C <sub>4</sub> H <sub>10</sub> S <sub>2</sub>	110-81-6
1,4-Dichlorobutane	C <sub>4</sub> H <sub>8</sub> Cl <sub>2</sub>	110-56-5	Diethylene glycol	C <sub>4</sub> H <sub>10</sub> O <sub>3</sub>	111-46-6
$\beta,\beta'$ -Dichlorodiethylether	C <sub>4</sub> H <sub>8</sub> Cl <sub>2</sub> O	111-44-4	Diethylene glycol-glycerol-adipate polymer	C <sub>13</sub> H <sub>22</sub> O <sub>8</sub>	26760-54-3
Dichlorodiethylsilane	C <sub>4</sub> H <sub>10</sub> Cl <sub>2</sub> Si	1719-53-5	Diethylene glycol-trimethylolpropane-adipate polymer	C <sub>15</sub> H <sub>28</sub> O <sub>8</sub>	28183-09-7
Dichlorodifluoromethane	CCl <sub>2</sub> F <sub>2</sub>	75-71-8	Diethylene imide oxide	C <sub>4</sub> H <sub>9</sub> NO	110-91-8
Dichlorodimethylsilane	C <sub>2</sub> H <sub>6</sub> Cl <sub>2</sub> Si	75-78-5	Diethylenetriamine	C <sub>4</sub> H <sub>11</sub> N <sub>3</sub>	111-40-0
4,5-Dichloro-1,3-dioxolan-2-one	C <sub>3</sub> H <sub>2</sub> Cl <sub>2</sub> O <sub>3</sub>	3967-55-3	Diethyl ethanedioate	C <sub>6</sub> H <sub>10</sub> O <sub>4</sub>	95-92-1
4,4'-Dichlorodiphenyl sulphone	C <sub>12</sub> H <sub>8</sub> Cl <sub>2</sub> O <sub>2</sub> S	80-07-9	Diethyl ether	C <sub>4</sub> H <sub>10</sub> O	60-29-7
1,1-Dichloroethane	C <sub>2</sub> H <sub>4</sub> Cl <sub>2</sub>	75-34-3	Di(2-ethylhexyl)adipate	C <sub>22</sub> H <sub>32</sub> O <sub>4</sub>	103-23-1
1,2-Dichloroethane	C <sub>2</sub> H <sub>4</sub> Cl <sub>2</sub>	107-06-2	Di(2-ethylhexyl) <i>o</i> -phthalate	C <sub>24</sub> H <sub>38</sub> O <sub>4</sub>	117-81-7
Dichloroethanoic acid	C <sub>2</sub> H <sub>2</sub> Cl <sub>2</sub> O <sub>2</sub>	79-43-6	Diethylhydropyrene	C <sub>20</sub> H <sub>34</sub>	unavailable
1,1-Dichloroethene	C <sub>2</sub> H <sub>2</sub> Cl <sub>2</sub>	75-35-4	N,N-Diethylhydroxylamine	C <sub>4</sub> H <sub>11</sub> NO	3710-84-7
<i>cis</i> -1,2-Dichloroethene	C <sub>2</sub> H <sub>2</sub> Cl <sub>2</sub>	540-59-0	Diethyl ketone	C <sub>5</sub> H <sub>10</sub> O	96-22-0
<i>trans</i> -1,2-Dichloroethene	C <sub>2</sub> H <sub>2</sub> Cl <sub>2</sub>	156-59-2	Diethyl malonate	C <sub>7</sub> H <sub>12</sub> O <sub>4</sub>	105-53-3
1,2-Dichloroethylene	C <sub>2</sub> H <sub>2</sub> Cl <sub>2</sub>	540-59-0	Diethyl mercury	C <sub>4</sub> H <sub>10</sub> Hg	627-44-1
<i>cis</i> -1,2-Dichloroethylene	C <sub>2</sub> H <sub>2</sub> Cl <sub>2</sub>	156-59-2	Diethylmethylamine	C <sub>5</sub> H <sub>13</sub> N	616-39-7
<i>trans</i> -1,2-Dichloroethylene	C <sub>2</sub> H <sub>2</sub> Cl <sub>2</sub>	156-60-5	Diethyl oxalate	C <sub>6</sub> H <sub>10</sub> O <sub>4</sub>	95-92-1
Dichlorofluoromethane	CHCl <sub>2</sub> F	75-43-4	3,3-Diethylpentane	C <sub>9</sub> H <sub>20</sub>	1067-20-5
1,6-Dichlorohexane	C <sub>6</sub> H <sub>12</sub> Cl <sub>2</sub>	2163-00-0	Diethyl <i>o</i> -phthalate	C <sub>12</sub> H <sub>14</sub> O <sub>4</sub>	84-66-2
Dichloromethane	CH <sub>2</sub> Cl <sub>2</sub>	75-09-2	Diethyl <i>p</i> -phthalate	C <sub>12</sub> H <sub>14</sub> O <sub>4</sub>	636-09-9
Dichloromethylvinylsilane	C <sub>3</sub> H <sub>6</sub> Cl <sub>2</sub> Si	124-70-9	Diethyl succinate	C <sub>8</sub> H <sub>14</sub> O <sub>4</sub>	123-25-1
2,4-Dichloro-4'-nitrodiphenyl ether	C <sub>12</sub> H <sub>8</sub> Cl <sub>2</sub> NO <sub>3</sub>	1836-75-5	Diethyl sulfide	C <sub>4</sub> H <sub>10</sub> S	352-93-2
1,5-Dichloro-3-oxyapentane	C <sub>4</sub> H <sub>8</sub> Cl <sub>2</sub> O	111-44-4	Diethyl terephthalate	C <sub>12</sub> H <sub>14</sub> O <sub>4</sub>	636-09-9
1,5-Dichloropentane	C <sub>5</sub> H <sub>10</sub> Cl <sub>2</sub>	628-76-2	1,1-Diethylurea	C <sub>5</sub> H <sub>12</sub> N <sub>2</sub> O	634-95-7
2,3-Dichlorophenol	C <sub>6</sub> H <sub>4</sub> Cl <sub>2</sub> O	576-24-9	1,3-Diethylurea	C <sub>5</sub> H <sub>12</sub> N <sub>2</sub> O	623-76-7
2,4-Dichlorophenol	C <sub>6</sub> H <sub>4</sub> Cl <sub>2</sub> O	120-83-2	N,N-Diethylurea	C <sub>5</sub> H <sub>12</sub> N <sub>2</sub> O	634-95-7
2,5-Dichlorophenol	C <sub>6</sub> H <sub>4</sub> Cl <sub>2</sub> O	583-78-8	Diethyl zinc	C <sub>4</sub> H <sub>10</sub> Zn	557-20-0
2,6-Dichlorophenol	C <sub>6</sub> H <sub>4</sub> Cl <sub>2</sub> O	87-65-0	Diethylzinc diethyltellurium complex	C <sub>8</sub> H <sub>20</sub> TeZn	132851-15-1
3,4-Dichlorophenol	C <sub>6</sub> H <sub>4</sub> Cl <sub>2</sub> O	95-77-2	1,1-Diethynyl-2,3,4,5-tetraphenyl-1-germacyclo-pentadiene	C <sub>32</sub> H <sub>22</sub> Ge	57863-11-3
3,5-Dichlorophenol	C <sub>6</sub> H <sub>4</sub> Cl <sub>2</sub> O	591-35-5	Diethynylidiphenylgermane	C <sub>18</sub> H <sub>12</sub> Ge	1675-59-8
1,2-Dichloropropane	C <sub>3</sub> H <sub>6</sub> Cl <sub>2</sub>	78-87-5	1,2-Difluorobenzene	C <sub>6</sub> H <sub>4</sub> F <sub>2</sub>	367-11-3
1,3-Dichloropropane	C <sub>3</sub> H <sub>6</sub> Cl <sub>2</sub>	142-28-9	1,3-Difluorobenzene	C <sub>6</sub> H <sub>4</sub> F <sub>2</sub>	372-18-9
2,2-Dichloropropane	C <sub>3</sub> H <sub>6</sub> Cl <sub>2</sub>	594-20-7	1,4-Difluorobenzene	C <sub>6</sub> H <sub>4</sub> F <sub>2</sub>	540-36-3
1,2-Dichloro-1,1,2,2-tetrafluoroethane	C <sub>2</sub> Cl <sub>2</sub> F <sub>4</sub>	76-14-2	4,4'-Difluorobiphenyl	C <sub>12</sub> H <sub>8</sub> F <sub>2</sub>	398-23-2
Di- $\alpha$ -cumyl peroxide	C <sub>18</sub> H <sub>22</sub> O <sub>2</sub>	27137-90-2	1,1-Difluoro-1-chloroethane	C <sub>2</sub> H <sub>3</sub> ClF <sub>2</sub>	75-68-3
Dicyandiamide	C <sub>2</sub> H <sub>4</sub> N <sub>4</sub>	461-58-5	1,2-Difluoro-2,2-dichloroethane	C <sub>2</sub> H <sub>2</sub> Cl <sub>2</sub> F <sub>2</sub>	431-06-1
1,2-Dicyanobenzene	C <sub>8</sub> H <sub>4</sub> N <sub>2</sub>	91-15-6	1,1-Difluoroethane	C <sub>2</sub> H <sub>2</sub> F <sub>2</sub>	75-37-6
1,4-Dicyanobenzene	C <sub>8</sub> H <sub>4</sub> N <sub>2</sub>	623-26-7	2,2-Difluorotetrachloroethane	C <sub>2</sub> Cl <sub>4</sub> F <sub>2</sub>	76-11-9
Dicyanomethane	C <sub>3</sub> H <sub>2</sub> N <sub>2</sub>	109-77-3	1,2-Difluoro-1,2,2-trichloroethane	C <sub>2</sub> HCl <sub>3</sub> F <sub>2</sub>	354-21-2
1,3-Dicyanopropane	C <sub>5</sub> H <sub>6</sub> N <sub>2</sub>	544-13-8			

Diformylhydrazine	C <sub>2</sub> H <sub>4</sub> N <sub>2</sub> O <sub>2</sub>	628-36-4	cyanopropionaldehyde	C <sub>6</sub> H <sub>11</sub> NO <sub>2</sub>	14618-78-
Diglycine nitrate	C <sub>4</sub> H <sub>11</sub> N <sub>3</sub> O <sub>7</sub>	6845-92-7	N,N-Dimethylacetamide	C <sub>4</sub> H <sub>9</sub> NO	127-19-
Diglycylglycine	C <sub>6</sub> H <sub>11</sub> N <sub>3</sub> O <sub>4</sub>	556-33-2	Dimethylacetylene	C <sub>4</sub> H <sub>6</sub>	503-17-
Diglyme	C <sub>6</sub> H <sub>14</sub> O <sub>3</sub>	111-96-6	N,N-Dimethyl-L-alanine methyl ester	C <sub>6</sub> H <sub>13</sub> NO <sub>2</sub>	42293-86-
4,4'-Dihexanoyloxydiphenyldiacetylene	C <sub>30</sub> H <sub>34</sub> O <sub>4</sub>	92341-27-0	Dimethylamine	C <sub>2</sub> H <sub>7</sub> N	124-40-
Di-n-hexadecyl sebacate	C <sub>42</sub> H <sub>82</sub> O <sub>4</sub>	26719-48-2	N,N-Dimethylaminodiborane	C <sub>2</sub> H <sub>11</sub> B <sub>2</sub> N	22580-01-
4,4'-Dihexanoyloxydiphenyldiacetylene	C <sub>28</sub> H <sub>30</sub> O <sub>4</sub>	92341-26-9	Dimethylaminoethyl methacrylate	C <sub>8</sub> H <sub>15</sub> NO <sub>2</sub>	2867-47-
N,N'-Di-n-hexyl adipamide	C <sub>18</sub> H <sub>36</sub> N <sub>2</sub> O <sub>2</sub>	21150-82-3	3-Dimethylaminomethyl indole	C <sub>11</sub> H <sub>14</sub> N <sub>2</sub>	87-52-
Di-n-hexylammonium chloride	C <sub>12</sub> H <sub>28</sub> CIN	2296-13-1	Dimethylaminopropylendiamine	C <sub>5</sub> H <sub>15</sub> N <sub>3</sub>	unavailabl
Dihexyl bis(hexamethylene-1,6)-trisubstituted sebacate	C <sub>54</sub> H <sub>98</sub> O <sub>12</sub>	55205-82-8	3-(Dimethylamino)propionitrile	C <sub>5</sub> H <sub>10</sub> N <sub>2</sub>	1738-25-
Dihexyl hexamethylene-1,6-disubstituted sebacate	C <sub>38</sub> H <sub>70</sub> O <sub>8</sub>	55205-81-7	β-Dimethylaminopropionitrile	C <sub>5</sub> H <sub>10</sub> N <sub>2</sub>	1738-25-
N,N'-Di-n-hexylsebacamide	C <sub>22</sub> H <sub>44</sub> N <sub>2</sub> O <sub>2</sub>	31827-03-9	Dimethylammonium tetrafluoroborate	C <sub>2</sub> H <sub>8</sub> BF <sub>4</sub> N	16970-97-
Di-n-hexyl sebacate	C <sub>22</sub> H <sub>42</sub> O <sub>4</sub>	2449-10-7	2,6-Dimethylaniline	C <sub>8</sub> H <sub>11</sub> N	87-62-
4,4'-Dihydrazinodiphenyl oxide	C <sub>12</sub> H <sub>14</sub> N <sub>4</sub> O	51033-02-4	N,N-Dimethylaniline	C <sub>8</sub> H <sub>11</sub> N	121-69-
9,10-Dihydroanthracene	C <sub>14</sub> H <sub>12</sub>	613-31-0	1,1-Dimethylazothiane	C <sub>8</sub> H <sub>18</sub> N <sub>2</sub>	927-83-
2,5-Dihydro-3,4-benzofuran	C <sub>8</sub> H <sub>8</sub> O	496-14-0	1,1-Dimethylazoxythane	C <sub>8</sub> H <sub>18</sub> N <sub>2</sub> O	16649-52-
4,5-Dihydro-2,3-benzofuran	C <sub>8</sub> H <sub>8</sub> O	496-16-2	1,2-Dimethylbenzene	C <sub>8</sub> H <sub>10</sub>	95-47-
2,3-Dihydrofuran	C <sub>4</sub> H <sub>6</sub> O	1191-99-7	1,3-Dimethylbenzene	C <sub>8</sub> H <sub>10</sub>	108-38-
2,5-Dihydrofuran clathrate hydrate	C <sub>4</sub> H <sub>6</sub> O · 17H <sub>2</sub> O	14306-51-5	1,4-Dimethylbenzene	C <sub>8</sub> H <sub>10</sub>	106-42-
1,2-Dihydro-4-(methoxymethyl)-6-methyl-2-oxo-3-pyridinecarbonitrile	C <sub>9</sub> H <sub>10</sub> N <sub>2</sub> O <sub>2</sub>	6339-38-4	2,3-Dimethylbenzoic acid	C <sub>9</sub> H <sub>10</sub> O <sub>2</sub>	603-79-
9,10-Dihydrophenanthrene	C <sub>14</sub> H <sub>12</sub>	776-35-2	2,4-Dimethylbenzoic acid	C <sub>9</sub> H <sub>10</sub> O <sub>2</sub>	611-01-
Dihydrosulfide carbon sulfide	CH <sub>3</sub> S <sub>3</sub>	594-08-1	2,5-Dimethylbenzoic acid	C <sub>9</sub> H <sub>10</sub> O <sub>2</sub>	610-72-
3,4-Dihydroxybenzaldehyde	C <sub>7</sub> H <sub>6</sub> O <sub>3</sub>	139-85-5	2,6-Dimethylbenzoic acid	C <sub>9</sub> H <sub>10</sub> O <sub>2</sub>	632-46-
1,2-Dihydroxybenzene	C <sub>6</sub> H <sub>6</sub> O <sub>2</sub>	120-80-9	3,4-Dimethylbenzoic acid	C <sub>9</sub> H <sub>10</sub> O <sub>2</sub>	619-04-
1,3-Dihydroxybenzene	C <sub>6</sub> H <sub>6</sub> O <sub>2</sub>	108-46-3	3,5-Dimethylbenzoic acid	C <sub>9</sub> H <sub>10</sub> O <sub>2</sub>	499-06-
1,4-Dihydroxybenzene	C <sub>6</sub> H <sub>6</sub> O <sub>2</sub>	123-31-9	2,2'-Dimethylbiphenyl	C <sub>14</sub> H <sub>14</sub>	605-39-
4,4'-Dihydroxybiphenyl	C <sub>12</sub> H <sub>10</sub> O <sub>2</sub>	92-88-6	2,3-Dimethyl-2,3-bis(4-tert-butylphenyl)butane	C <sub>26</sub> H <sub>38</sub>	5171-91-
1,3-Dihydroxybutane	C <sub>4</sub> H <sub>10</sub> O <sub>2</sub>	107-88-0	3,4-Dimethyl-3,4-bis(4-tert-butylphenyl)hexane	C <sub>30</sub> H <sub>46</sub>	85668-74-
1,4-Dihydroxybutane	C <sub>4</sub> H <sub>10</sub> O <sub>2</sub>	110-63-4	2,2-Dimethylbutane	C <sub>6</sub> H <sub>14</sub>	75-83-
2,3-Dihydroxybutane	C <sub>4</sub> H <sub>10</sub> O <sub>2</sub>	513-85-9	2,3-Dimethylbutane	C <sub>6</sub> H <sub>14</sub>	79-29-
1,8-Dihydroxy-3,6-dioxaoctane	C <sub>6</sub> H <sub>14</sub> O <sub>4</sub>	112-27-6	2,2-Dimethylbutane-thiourea adduct	C <sub>9</sub> H <sub>26</sub> N <sub>6</sub> S <sub>3</sub>	39822-98-
4,4'-Dihydroxydiphenyl-2,2-propane	C <sub>15</sub> H <sub>16</sub> O <sub>2</sub>	80-05-7	3,3-Dimethyl-1-butanol	C <sub>6</sub> H <sub>14</sub> O	624-95-
1,2-Dihydroxyethane	C <sub>2</sub> H <sub>6</sub> O <sub>2</sub>	107-21-1	3,3-Dimethyl-2-butanone	C <sub>6</sub> H <sub>12</sub> O	75-97-
1,2-Dihydroxyethane- <i>d</i> <sub>2</sub>	C <sub>2</sub> H <sub>4</sub> D <sub>2</sub> O <sub>2</sub>	2219-52-5	2,3-Dimethyl-2-butene	C <sub>6</sub> H <sub>12</sub>	563-79-
1,5-Dihydroxy-3-oxapentane	C <sub>4</sub> H <sub>10</sub> O <sub>3</sub>	111-46-6	3,3-Dimethyl-1-butene	C <sub>6</sub> H <sub>12</sub>	558-37-
1,2-Dihydroxypropane	C <sub>3</sub> H <sub>8</sub> O <sub>2</sub>	57-55-6	Dimethyl cadmium	C <sub>5</sub> H <sub>6</sub> Cd	506-82-
1,14-Dihydroxy-3,6,9,12-tetraoxatetradecane	C <sub>10</sub> H <sub>22</sub> O <sub>6</sub>	4792-15-8	Dimethylcadmium-dimethylselenium	C <sub>4</sub> H <sub>12</sub> CdSe	143481-65-
2,5-Dihydroxytoluene monohydrate	C <sub>7</sub> H <sub>8</sub> O <sub>2</sub>	95-71-6	Dimethylcadmium-dimethyltellurium	C <sub>4</sub> H <sub>12</sub> CdTe	143481-66-
1,11-Dihydroxy-3,6,9-trioxaundecane	C <sub>7</sub> H <sub>8</sub> O <sub>2</sub> H <sub>2</sub> O	6153-39-5	1,4-Dimethylcubane dicarboxylate	C <sub>12</sub> H <sub>12</sub> O <sub>4</sub>	2941-62-
1,2-Diodobenzene	C <sub>8</sub> H <sub>18</sub> O <sub>5</sub>	112-60-7	1,1-Dimethylcyclohexane	C <sub>8</sub> H <sub>16</sub>	590-66-
1,3-Diodobenzene	C <sub>6</sub> H <sub>4</sub> I <sub>2</sub>	615-42-9	1,2-Dimethylcyclohexane	C <sub>8</sub> H <sub>16</sub>	583-57-
1,4-Diodobenzene	C <sub>6</sub> H <sub>4</sub> I <sub>2</sub>	626-00-6	1-cis-2-Dimethylcyclohexane	C <sub>8</sub> H <sub>16</sub>	2207-01-
Diiodomethane	C <sub>6</sub> H <sub>4</sub> I <sub>2</sub>	624-38-4	1-trans-2-Dimethylcyclohexane	C <sub>6</sub> H <sub>16</sub>	6876-23-
1,3-Diodopropane	CH <sub>2</sub> I <sub>2</sub>	75-11-6	1-cis-3-Dimethylcyclohexane	C <sub>8</sub> H <sub>16</sub>	638-04-
Diisobutylaluminum hydride	C <sub>3</sub> H <sub>6</sub> I <sub>2</sub>	627-31-6	1-trans-3-Dimethylcyclohexane	C <sub>8</sub> H <sub>16</sub>	2207-03-
Diisobutyl amine	C <sub>8</sub> H <sub>19</sub> Al	1191-15-7	1-cis-4-Dimethylcyclohexane	C <sub>8</sub> H <sub>16</sub>	624-29-
Diisobutylketone	C <sub>8</sub> H <sub>19</sub> N	110-96-3	1-trans-4-Dimethylcyclohexane	C <sub>8</sub> H <sub>16</sub>	2207-04-
1,4-Diisocyanato benzene	C <sub>9</sub> H <sub>18</sub> O	108-83-8	1,1-Dimethylcyclopentane	C <sub>7</sub> H <sub>14</sub>	1638-26-
1,6-Diisocyanato hexane	C <sub>8</sub> H <sub>12</sub> N <sub>2</sub> O <sub>2</sub>	104-49-4	1,2-Dimethylcyclopentane	C <sub>7</sub> H <sub>14</sub>	2452-90-
1,5-Diisocyanato naphthalene	C <sub>8</sub> H <sub>12</sub> N <sub>2</sub> O <sub>2</sub>	822-06-0	1-cis-2-Dimethylcyclopentane	C <sub>7</sub> H <sub>14</sub>	1192-18-
Diisododecyl phthalate	C <sub>15</sub> H <sub>26</sub> N <sub>2</sub> O <sub>2</sub>	3173-72-6	1-trans-3-Dimethylcyclopentane	C <sub>7</sub> H <sub>14</sub>	1759-58-
p,p'-Diisopropylbiphenyl	C <sub>32</sub> H <sub>54</sub> O <sub>4</sub>	27554-06-9	Dimethyldecalin	C <sub>12</sub> H <sub>22</sub>	unavailabl
Diisopropyl ketone	C <sub>18</sub> H <sub>22</sub>	18970-30-4	3,6-Dimethyl-1,4-dioxane-2,5-dione	C <sub>6</sub> H <sub>8</sub> O <sub>4</sub>	95-96-
Diisopropyl sulfide	C <sub>7</sub> H <sub>14</sub> O	565-80-0	2,3-Dimethyl-2,3-diphenylbutane	C <sub>18</sub> H <sub>22</sub>	1889-67-
1,4,5,8-Dimethanodecalin	C <sub>6</sub> H <sub>14</sub> S	625-80-9	Dimethyl diselenium	C <sub>2</sub> H <sub>6</sub> Se <sub>2</sub>	7101-31-
Dimethanolurea	C <sub>12</sub> H <sub>18</sub>	538-33-2	Dimethyl disulfide	C <sub>2</sub> H <sub>6</sub> S <sub>2</sub>	624-92-
4,4'-Dimethoxyazoxybenzene	C <sub>3</sub> H <sub>8</sub> N <sub>2</sub> O <sub>3</sub>	140-95-4	Dimethyl ether	C <sub>2</sub> H <sub>6</sub> O	115-10-
1,1-Dimethoxy-3-cyanopropane	C <sub>14</sub> H <sub>14</sub> N <sub>2</sub> O <sub>3</sub>	1562-94-3	N,N-Dimethylformamide	C <sub>3</sub> H <sub>7</sub> NO	68-12-
meso-2,3-Dimethoxy-2,3-diphenylsuccinonitrile	C <sub>6</sub> H <sub>11</sub> NO <sub>2</sub>	14618-78-1	Dimethyl fumarate	C <sub>6</sub> H <sub>8</sub> O <sub>4</sub>	624-49-
1,2-Dimethoxyethane	C <sub>18</sub> H <sub>16</sub> N <sub>2</sub> O <sub>2</sub>	61502-57-6	N,N-Dimethylglycine ethyl ester	C <sub>6</sub> H <sub>11</sub> NO <sub>2</sub>	33229-89-
Dimethoxymethane	C <sub>3</sub> H <sub>8</sub> O <sub>2</sub>	110-71-4	N,N-Dimethylglycine methyl ester	C <sub>5</sub> H <sub>11</sub> NO <sub>2</sub>	7148-06-
Di( <i>p</i> -methoxyphenyl)-trans-cyclohexane-1,4-dicarboxylate	C <sub>22</sub> H <sub>23</sub> O <sub>6</sub>	26379-55-5	2,6-Dimethyl-4-heptanone	C <sub>9</sub> H <sub>18</sub> O	108-83-
2,2-Dimethoxypropane	C <sub>5</sub> H <sub>12</sub> O <sub>2</sub>	77-76-9	2,5-Dimethylhexane	C <sub>8</sub> H <sub>14</sub>	764-13-
Dimethyl acetal of β-			3,3-Dimethylhexane	C <sub>8</sub> H <sub>18</sub>	592-13-
			N,N-Dimethylhydrazine	C <sub>8</sub> H <sub>18</sub>	563-16-
				C <sub>2</sub> H <sub>8</sub> N <sub>2</sub>	57-14-

N,N'-Dimethylhydrazine	C <sub>2</sub> H <sub>8</sub> N <sub>2</sub>	540-73-8	Dimethyltetraphenylcyclotrisiloxane	C <sub>26</sub> H <sub>26</sub> O <sub>3</sub> Si <sub>3</sub>	1438-86-4
1,1-Dimethylhydrazinium tetrafluoroborate	C <sub>2</sub> H <sub>9</sub> BF <sub>4</sub> N <sub>2</sub>	811-64-3	2,2-Dimethyl-4,4,6,6-tetraphenylcyclotrisiloxane	C <sub>26</sub> H <sub>26</sub> O <sub>3</sub> Si <sub>3</sub>	1438-86-4
1,1-Dimethylindan	C <sub>11</sub> H <sub>14</sub>	4912-92-9	1,3-Dimethyl-1,1,3,3-tetraphenylcyclotrisiloxane	C <sub>26</sub> H <sub>26</sub> OSi <sub>2</sub>	807-28-3
4,6-Dimethylindan	C <sub>11</sub> H <sub>14</sub>	1685-82-1	3,3-Dimethyl-2-thiabutane	C <sub>5</sub> H <sub>12</sub> S	6163-64-0
4,7-Dimethylindan	C <sub>11</sub> H <sub>14</sub>	6682-71-9	2,4-Dimethyl-3-thiapentane	C <sub>6</sub> H <sub>14</sub> S	625-80-9
Dimethyl ketone	C <sub>3</sub> H <sub>6</sub> O	67-64-1	2,5-Dimethylthiophene	C <sub>6</sub> H <sub>8</sub> S	638-02-8
Dimethyl ketone clathrate hydrate	C <sub>3</sub> H <sub>6</sub> O·17H <sub>2</sub> O	18879-06-6	Dimethyl-2,2,2-trichloro-1-hydroxyethylphosphonate	C <sub>4</sub> H <sub>8</sub> Cl <sub>3</sub> O <sub>4</sub> P	52-68-6
Dimethyl maleate	C <sub>6</sub> H <sub>8</sub> O <sub>4</sub>	624-48-6	6,10-Dimethyl-2-undecanone	C <sub>11</sub> H <sub>20</sub> O	1604-34-8
Dimethylmalonic acid dimethyl ester	C <sub>7</sub> H <sub>12</sub> O <sub>4</sub>	6065-54-9	6,10-Dimethyl-3,5,9-undecatrien-2-one	C <sub>13</sub> H <sub>20</sub> O	141-10-6
Dimethylmalononitrile	C <sub>5</sub> H <sub>8</sub> N <sub>2</sub>	7321-55-3	6,10-Dimethyl-4,5,9-undecatrien-2-one	C <sub>13</sub> H <sub>20</sub> O	16647-05-5
N,N-Dimethylmethanamide	C <sub>3</sub> H <sub>7</sub> NO	68-12-2	1,3-Dimethyluracil	C <sub>6</sub> H <sub>8</sub> N <sub>2</sub> O <sub>2</sub>	874-14-6
1,8-Dimethylnaphthalene	C <sub>12</sub> H <sub>12</sub>	569-41-5	1,1-Dimethylurea	C <sub>3</sub> H <sub>8</sub> N <sub>2</sub> O	598-94-7
2,3-Dimethylnaphthalene	C <sub>12</sub> H <sub>12</sub>	581-40-8	1,3-Dimethylurea	C <sub>3</sub> H <sub>8</sub> N <sub>2</sub> O	96-31-1
2,6-Dimethylnaphthalene	C <sub>12</sub> H <sub>12</sub>	581-42-0	Dimethyl zinc	C <sub>2</sub> H <sub>6</sub> Zn	544-97-8
2,7-Dimethylnaphthalene	C <sub>12</sub> H <sub>12</sub>	582-16-1	Dimethylzinc dimethylselenium complex	C <sub>4</sub> H <sub>12</sub> SeZn	108430-95-1
2,6-Dimethylocta-2,7-dien-6-ol	C <sub>10</sub> H <sub>18</sub> O	78-70-6	Dimethylzinc dimethylsulfide complex	C <sub>4</sub> H <sub>12</sub> SZn	91071-61-3
2,7-Dimethyloctane	C <sub>10</sub> H <sub>22</sub>	1072-16-8	Dimethylzinc dimethyltellurium complex	C <sub>4</sub> H <sub>12</sub> TeZn	127283-03-8
3,7-Dimethyl-1-octanol	C <sub>10</sub> H <sub>22</sub> O	106-21-8	1,2'-Diminaphthylmethane	C <sub>21</sub> H <sub>16</sub>	611-48-3
3,7-Dimethyl-6-octen-1-yn-3-ol	C <sub>10</sub> H <sub>16</sub> O	2917-20-8	Dinitrile-2,2'-azodiisobutyric acid	C <sub>8</sub> H <sub>12</sub> N <sub>4</sub>	78-67-1
3,3-Dimethyl-2-oxabutane	C <sub>5</sub> H <sub>12</sub> O	1634-0404	1,2-Dinitrobenzene	C <sub>6</sub> H <sub>4</sub> N <sub>2</sub> O <sub>4</sub>	528-29-0
4,4-Dimethyl-3-oxahexane	C <sub>7</sub> H <sub>16</sub> O	919-94-8	1,3-Dinitrobenzene	C <sub>6</sub> H <sub>4</sub> N <sub>2</sub> O <sub>4</sub>	99-65-0
2,4-Dimethyl-3-oxapentane	C <sub>6</sub> H <sub>14</sub> O	108-20-3	1,4-Dinitrobenzene	C <sub>6</sub> H <sub>4</sub> N <sub>2</sub> O <sub>4</sub>	100-25-4
3,3-Dimethyl-2-oxapentane	C <sub>6</sub> H <sub>14</sub> O	994-05-8	1,3-Dinitro-1,3-diazacycloheptane	C <sub>5</sub> H <sub>10</sub> N <sub>4</sub> O <sub>4</sub>	5754-90-5
4,4-Dimethyl-3-oxapentane	C <sub>6</sub> H <sub>14</sub> O	637-92-3	1,3-Dinitro-1,3-diazacyclohexane	C <sub>4</sub> H <sub>8</sub> N <sub>4</sub> O <sub>4</sub>	5754-89-2
17-(2,2-Dimethyl-1-oxopropoxy)-(17 $\alpha$ )-19-norpregn-4-en-20-yn-3-one	C <sub>25</sub> H <sub>34</sub> O <sub>3</sub>	65445-09-2	1,3-Dinitro-1,3-diazacyclopentane	C <sub>3</sub> H <sub>8</sub> N <sub>4</sub> O <sub>4</sub>	5754-91-6
3,4-Dimethylpentanal	C <sub>7</sub> H <sub>14</sub> O	19353-21-0	4,4'-Dinitrodiphenyl ether	C <sub>12</sub> H <sub>8</sub> N <sub>2</sub> O <sub>4</sub>	101-63-3
2,2-Dimethylpentane	C <sub>7</sub> H <sub>16</sub>	590-35-2	1,5-Dinitronaphthalene	C <sub>10</sub> H <sub>6</sub> N <sub>2</sub> O <sub>4</sub>	605-71-0
2,3-Dimethylpentane	C <sub>7</sub> H <sub>16</sub>	565-59-3	1,8-Dinitronaphthalene	C <sub>10</sub> H <sub>6</sub> N <sub>2</sub> O <sub>4</sub>	602-38-0
2,4-Dimethylpentane	C <sub>7</sub> H <sub>16</sub>	108-08-7	2,3-Dinitrophenol	C <sub>6</sub> H <sub>4</sub> N <sub>2</sub> O <sub>3</sub>	66-56-8
3,3-Dimethylpentane	C <sub>7</sub> H <sub>16</sub>	562-49-2	2,4-Dinitrophenol	C <sub>6</sub> H <sub>4</sub> N <sub>2</sub> O <sub>5</sub>	51-28-5
2,4-Dimethyl-3-pentanone	C <sub>7</sub> H <sub>14</sub> O	565-80-0	2,6-Dinitrophenol	C <sub>6</sub> H <sub>4</sub> N <sub>2</sub> O <sub>5</sub>	329-71-5
N,N-Dimethyl-2-pentylmorylamine	C <sub>16</sub> H <sub>35</sub> N	99916-30-0	2,5-Dinitrophenol	C <sub>6</sub> H <sub>4</sub> N <sub>2</sub> O <sub>5</sub>	573-56-8
2,3-Dimethylphenol	C <sub>8</sub> H <sub>10</sub> O	526-75-0	3,4-Dinitrophenol	C <sub>6</sub> H <sub>4</sub> N <sub>2</sub> O <sub>5</sub>	577-71-9
2,4-Dimethylphenol	C <sub>8</sub> H <sub>10</sub> O	105-67-9	3,5-Dinitrophenol	C <sub>6</sub> H <sub>4</sub> N <sub>2</sub> O <sub>5</sub>	586-11-8
2,5-Dimethylphenol	C <sub>8</sub> H <sub>10</sub> O	95-87-4	2,2-Dinitropropane	C <sub>3</sub> H <sub>6</sub> N <sub>2</sub> O <sub>4</sub>	595-49-3
2,6-Dimethylphenol	C <sub>8</sub> H <sub>10</sub> O	576-26-1	2,4-Dinitrotoluene	C <sub>7</sub> H <sub>6</sub> N <sub>2</sub> O <sub>4</sub>	121-14-2
3,4-Dimethylphenol	C <sub>8</sub> H <sub>10</sub> O	95-65-8	2,6-Dinitrotoluene	C <sub>7</sub> H <sub>6</sub> N <sub>2</sub> O <sub>4</sub>	606-20-2
3,5-Dimethylphenol	C <sub>8</sub> H <sub>10</sub> O	108-68-9	4,4'-Dinonanoyloxydiphenyldiacetylene	C <sub>34</sub> H <sub>42</sub> O <sub>4</sub>	71332-85-9
Dimethyl-3,4-phosphacymantrene	C <sub>9</sub> H <sub>8</sub> MnO <sub>3</sub> P	56993-57-8	Di-n-octadecyl sebacate	C <sub>46</sub> H <sub>90</sub> O <sub>4</sub>	3072-03-5
3,4-Dimethylphosphoryl manganese tricarbonyl	C <sub>9</sub> H <sub>8</sub> MnO <sub>3</sub> P	56993-57-8	4,4'-Dioctanoyloxydiphenyldiacetylene	C <sub>32</sub> H <sub>38</sub> O <sub>4</sub>	71332-84-8
Dimethyl o-phthalate	C <sub>10</sub> H <sub>10</sub> O <sub>4</sub>	131-11-3	Di-n-octylamine	C <sub>16</sub> H <sub>35</sub> N	1120-48-5
Dimethyl p-phthalate	C <sub>10</sub> H <sub>10</sub> O <sub>4</sub>	120-61-6	Di-n-octylammonium chloride	C <sub>16</sub> H <sub>36</sub> CIN	2296-14-2
2,2-Dimethylpropanal	C <sub>5</sub> H <sub>10</sub> O	630-19-3	Dioctyl phthalate	C <sub>24</sub> H <sub>38</sub> O <sub>4</sub>	117-84-0
2,2-Dimethylpropanamide	C <sub>5</sub> H <sub>11</sub> NO	754-10-9	Dioctyl o-phthalate	C <sub>24</sub> H <sub>38</sub> O <sub>4</sub>	117-84-0
N,N-Dimethylpropanamide	C <sub>5</sub> H <sub>11</sub> NO	758-96-3	Di-n-octyl sebacate	C <sub>26</sub> H <sub>50</sub> O <sub>4</sub>	2432-87-3
2,2-Dimethylpropane	C <sub>5</sub> H <sub>12</sub>	463-82-1	4,7-Dioxadecane	C <sub>8</sub> H <sub>18</sub> O <sub>2</sub>	18854-56-3
N,N-Dimethyl-1,3-propanediamine	C <sub>5</sub> H <sub>14</sub> N <sub>2</sub>	109-55-7	2,5-Dioxaheptane	C <sub>5</sub> H <sub>12</sub> O <sub>2</sub>	500005-27-6
2,2-Dimethyl-1,3-propanediol	C <sub>5</sub> H <sub>12</sub> O <sub>2</sub>	126-30-7	2,5-Dioxaheptane	C <sub>4</sub> H <sub>10</sub> O <sub>2</sub>	110-71-4
2,2-Dimethylpropanoic acid	C <sub>5</sub> H <sub>10</sub> O <sub>2</sub>	75-98-9	2,5-Dioxahexane	C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	505-22-6
2,2-Dimethyl-1-propanol	C <sub>5</sub> H <sub>12</sub> O	75-84-3	1,3-Dioxane	C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	123-91-1
2,2-Dimethylpropionitrile	C <sub>5</sub> H <sub>9</sub> N	630-18-2	1,4-Dioxane	C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	51105-19-2
2-(1,2-Dimethylpropyl)-5,6-dimethylheptenal	C <sub>12</sub> H <sub>26</sub> O	99914-84-8	1,3-Dioxane clathrate hydrate	C <sub>4</sub> H <sub>4</sub> O <sub>4</sub>	502-97-6
2,3-Dimethylpyridine	C <sub>7</sub> H <sub>9</sub> N	583-61-9	1,4-Dioxane-2,5-dione	C <sub>7</sub> H <sub>16</sub> O <sub>2</sub>	500005-29-8
2,4-Dimethylpyridine	C <sub>7</sub> H <sub>9</sub> N	108-47-4	2,5-Dioxanone	C <sub>6</sub> H <sub>14</sub> O <sub>2</sub>	500005-28-7
2,5-Dimethylpyridine	C <sub>7</sub> H <sub>9</sub> N	589-93-5	2,5-Dioxaoctane	C <sub>6</sub> H <sub>14</sub> O <sub>2</sub>	629-14-1
2,6-Dimethylpyridine	C <sub>7</sub> H <sub>9</sub> N	108-48-5	2,4-Dioxapentane	C <sub>3</sub> H <sub>8</sub> O <sub>2</sub>	109-87-5
3,4-Dimethylpyridine	C <sub>7</sub> H <sub>9</sub> N	583-58-4	1,3-Dioxepane	C <sub>5</sub> H <sub>10</sub> O <sub>2</sub>	505-65-7
3,5-Dimethylpyridine	C <sub>7</sub> H <sub>9</sub> N	591-22-0	1,3-Dioxolane	C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	646-06-0
2,4-Dimethylpyrrole	C <sub>6</sub> H <sub>9</sub> N	625-82-1	1,3-Dioxolane clathrate hydrate	C <sub>3</sub> H <sub>6</sub> O <sub>2</sub> ·17H <sub>2</sub> O	34776-95-9
2,5-Dimethylpyrrole	C <sub>6</sub> H <sub>9</sub> N	625-84-3	2,5-Dioxopiperazine	C <sub>4</sub> H <sub>6</sub> N <sub>2</sub> O <sub>2</sub>	106-57-0
Dimethyl selenium	C <sub>2</sub> H <sub>6</sub> Se	593-79-3	4,4'-Dipentanoyloxydiphenyldiacetylene	C <sub>26</sub> H <sub>26</sub> O <sub>4</sub>	71332-83-7
1,1-Dimethyl-1-silacyclobutane	C <sub>2</sub> H <sub>5</sub> Si	2295-12-7	Di-n-pentylammonium chloride	C <sub>10</sub> H <sub>24</sub> CIN	23307-02-0
Dimethyl sulfide	C <sub>3</sub> H <sub>6</sub> S	75-18-3	Diphenyl	C <sub>12</sub> H <sub>10</sub>	92-52-4
Dimethyl sulfone	C <sub>2</sub> H <sub>6</sub> O <sub>2</sub> S	67-71-0	Diphenylacetic acid	C <sub>14</sub> H <sub>12</sub> O <sub>2</sub>	117-34-0
Dimethyl sulfoxide	C <sub>3</sub> H <sub>6</sub> OS	67-68-5	Diphenylacetylene	C <sub>14</sub> H <sub>10</sub>	501-65-5
Dimethyl terephthalate	C <sub>10</sub> H <sub>10</sub> O <sub>4</sub>	120-61-6	1,2-Diphenylbenzimidazole	C <sub>19</sub> H <sub>14</sub> N <sub>2</sub>	2622-67-5

1,1'-Diphenyl-1,1'-bicyclohexane	C <sub>24</sub> H <sub>30</sub>	59358-71-3	Durene	C <sub>10</sub> H <sub>14</sub>	95-93-
1,1'-Diphenyl-1,1'-bicyclooctane	C <sub>28</sub> H <sub>38</sub>	59358-73-5	n-Eicosane	C <sub>20</sub> H <sub>42</sub>	112-95-
1,1'-Diphenyl-1,1'-bicyclopentane	C <sub>22</sub> H <sub>26</sub>	59358-70-2	1-Eicosanethiol	C <sub>20</sub> H <sub>42</sub> S	13373-97-
Diphenylcarbinol	C <sub>13</sub> H <sub>12</sub> O	91-01-0	Eicosanoic acid	C <sub>20</sub> H <sub>40</sub> O <sub>2</sub>	506-30-
Diphenylcarbodiimide	C <sub>12</sub> H <sub>10</sub> N <sub>2</sub>	622-16-2	n-Eicosanyl mercaptan	C <sub>20</sub> H <sub>42</sub>	13373-97-
Diphenyl carbonate	C <sub>12</sub> H <sub>10</sub> O <sub>3</sub>	102-09-0	1-Eicosene-urea adduct	C <sub>2</sub> H <sub>6</sub> N <sub>2</sub> O <sub>2</sub>	24494-56-
Diphenylchloromethane	C <sub>13</sub> H <sub>11</sub> Cl	90-99-3	Enanthal	C <sub>7</sub> H <sub>14</sub> O	111-71-
Diphenyldiethynylsilane	C <sub>16</sub> H <sub>12</sub> Si	1675-57-6	{zeta}-Enantholactam	C <sub>7</sub> H <sub>13</sub> NO	673-66-
Diphenyl diketone	C <sub>14</sub> H <sub>10</sub> O <sub>2</sub>	134-81-6	Erbium ethylsulfate	C <sub>6</sub> H <sub>15</sub> ErO <sub>12</sub> S <sub>3</sub> ·9H <sub>2</sub> O	unavailab
1,1-Diphenyldodecane	C <sub>24</sub> H <sub>34</sub>	1603-53-8	Erythritol	C <sub>4</sub> H <sub>10</sub> O <sub>4</sub>	149-32-
Diphenylene-2,2'-disulfide-S-oxide	C <sub>12</sub> H <sub>8</sub> OS <sub>2</sub>	49833-13-8	Ethanal	C <sub>2</sub> H <sub>4</sub> O	75-07-
Diphenylenemethane	C <sub>13</sub> H <sub>10</sub>	86-73-7	Ethanamide	C <sub>2</sub> H <sub>3</sub> NO	60-35-
Diphenylene oxide	C <sub>12</sub> H <sub>8</sub> O	132-64-9	Ethane	C <sub>2</sub> H <sub>6</sub>	74-84-
4',4''-Diphenylenephthalidodicarboxylic acid dihydrazide	C <sub>22</sub> H <sub>18</sub> N <sub>4</sub> O <sub>4</sub>	19261-73-5	Ethanedioic acid	C <sub>2</sub> H <sub>2</sub> O <sub>4</sub>	144-62-
1,1-Diphenylethane	C <sub>14</sub> H <sub>14</sub>	612-00-0	1,2-Ethanediol	C <sub>2</sub> H <sub>6</sub> O <sub>2</sub>	107-21-
1,2-Diphenylethane	C <sub>14</sub> H <sub>14</sub>	103-29-7	1,2-Ethanediol-d <sub>2</sub>	C <sub>2</sub> H <sub>4</sub> D <sub>2</sub> O <sub>2</sub>	2219-52-
Diphenyl ether	C <sub>12</sub> H <sub>10</sub> O	101-84-8	Ethanenitrile	C <sub>2</sub> H <sub>3</sub> N	75-05-
1,1-Diphenylethylene	C <sub>14</sub> H <sub>12</sub>	530-48-3	Ethanethiol	C <sub>2</sub> H <sub>6</sub> S	75-08-
Diphenylethyne	C <sub>14</sub> H <sub>10</sub>	501-65-5	Ethanoic acid	C <sub>2</sub> H <sub>4</sub> O <sub>2</sub>	64-19-
Diphenylgermane	C <sub>12</sub> H <sub>12</sub> Ge	1675-58-7	Ethanoic anhydride	C <sub>4</sub> H <sub>6</sub> O <sub>3</sub>	108-24-
Diphenylmercury	C <sub>12</sub> H <sub>10</sub> Hg	587-85-9	Ethanol	C <sub>2</sub> H <sub>6</sub> O	64-17-
Diphenylmethane	C <sub>13</sub> H <sub>12</sub>	101-81-5	Ethanol-d <sub>1</sub>	C <sub>2</sub> H <sub>5</sub> DO	1624-36-
4,4'-Diphenylmethane diisocyanate	C <sub>15</sub> H <sub>10</sub> N <sub>2</sub> O <sub>2</sub>	101-68-8	N-Ethanol isatoxime	C <sub>10</sub> H <sub>10</sub> N <sub>2</sub> O <sub>2</sub>	unavailab
Diphenyl oxide	C <sub>12</sub> H <sub>10</sub> O	101-84-8	Ethethyl ethanoate	C <sub>4</sub> H <sub>6</sub> O <sub>2</sub>	108-05-
Diphenylsilane-diethynylidiphenylgermane vitreous copolymer	(C <sub>28</sub> H <sub>24</sub> GeSi) <sub>n</sub>	1693-51-2	N-p-Ethoxybenzylidene-p'-butylaniline	C <sub>19</sub> H <sub>23</sub> NO	29743-08-
Diphenyl sulfide	C <sub>12</sub> H <sub>10</sub> S	139-66-2	4-Ethoxy-4'-butylazobenzene	C <sub>18</sub> H <sub>22</sub> N <sub>2</sub> O	31401-34-
Diphenyl sulfone	C <sub>12</sub> H <sub>10</sub> O <sub>2</sub> S	127-63-9	2-Ethoxyethanol	C <sub>4</sub> H <sub>10</sub> O <sub>2</sub>	110-80-
Diphenyl sulfoxide	C <sub>12</sub> H <sub>10</sub> OS	945-51-7	2-Ethoxyisobutroacetanilide	C <sub>6</sub> H <sub>12</sub> O <sub>3</sub>	111-15-
Diphenyltetramethylcyclotrisiloxane	C <sub>16</sub> H <sub>22</sub> O <sub>3</sub> Si <sub>3</sub>	1693-51-2	4-Ethoxyisobutroacetanilide	C <sub>10</sub> H <sub>12</sub> N <sub>2</sub> O <sub>3</sub>	38423-62-
1,3-Diphénylurea	C <sub>13</sub> H <sub>12</sub> N <sub>2</sub> O	102-07-8	1-Ethoxy-2-methoxyethane	C <sub>10</sub> H <sub>12</sub> N <sub>2</sub> O <sub>3</sub>	17122-74-
Dipiperazinylmethane	C <sub>10</sub> H <sub>22</sub> N <sub>4</sub>	19479-83-5	N-Ethylacetamide	C <sub>5</sub> H <sub>12</sub> O <sub>2</sub>	500005-27-
4,4'-Dipropenoxyloxydiphenyldiacetylene	C <sub>22</sub> H <sub>18</sub> O <sub>4</sub>	92341-24-7	Ethyl acetate	C <sub>4</sub> H <sub>9</sub> NO	627-45-
1,2-Di-n-propoxyethane	C <sub>8</sub> H <sub>18</sub> O <sub>2</sub>	18854-56-3	Ethyl acetoacetate	C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	141-78-
N,N'-Di-n-propyl adipamide	C <sub>12</sub> H <sub>24</sub> N <sub>2</sub> O <sub>2</sub>	85668-72-0	Ethyl alcohol	C <sub>6</sub> H <sub>10</sub> O <sub>3</sub>	141-97-
Dipropylamine	C <sub>6</sub> H <sub>15</sub> N	142-84-7	Ethyl alcohol-d <sub>1</sub>	C <sub>2</sub> H <sub>6</sub> O	64-17-
4,5-Dipropyl-4,5-bis(4-tert-butylphenyl)octane	C <sub>34</sub> H <sub>54</sub>	85668-72-0	Ethylammoniumbromide	C <sub>2</sub> H <sub>5</sub> DO	1624-36-
Dipropyl disulfide	C <sub>6</sub> H <sub>14</sub> S <sub>2</sub>	629-19-6	Ethylammonium dicyanochloromercurate	C <sub>2</sub> H <sub>8</sub> BrN	593-55-
Dipropylene glycol	C <sub>6</sub> H <sub>14</sub> O <sub>3</sub>	106-62-7	(II)	C <sub>4</sub> H <sub>5</sub> ClHgN <sub>3</sub>	13491-58-
Di-n-propyl ether	C <sub>6</sub> H <sub>14</sub> O	111-43-3	Ethylammonium nitrate	C <sub>2</sub> H <sub>9</sub> N <sub>2</sub> O <sub>3</sub>	22113-86-
Dipropyl sulfide	C <sub>6</sub> H <sub>14</sub> S	111-47-7	Ethyl azoxybenzenedicarboxylate	C <sub>18</sub> H <sub>18</sub> N <sub>2</sub> O <sub>5</sub>	6421-04-
Di-n-tetradecylsebacate	C <sub>38</sub> H <sub>74</sub> O <sub>4</sub>	26719-47-1	Ethyl behenate	C <sub>24</sub> H <sub>48</sub> O <sub>2</sub>	5908-87-
2,3-Dithiabutane	C <sub>5</sub> H <sub>12</sub> S <sub>2</sub>	624-92-0	Ethylbenzene	C <sub>8</sub> H <sub>10</sub>	100-41-
3,4-Dithiahexane	C <sub>4</sub> H <sub>10</sub> S <sub>2</sub>	110-81-6	Ethyl benzoate	C <sub>9</sub> H <sub>10</sub> O <sub>2</sub>	93-89-
1,3-Dithiane	C <sub>4</sub> H <sub>8</sub> S <sub>2</sub>	505-23-7	m-Ethylbenzoic acid	C <sub>9</sub> H <sub>10</sub> O <sub>2</sub>	619-20-
1,4-Dithiane	C <sub>4</sub> H <sub>8</sub> S <sub>2</sub>	505-29-3	o-Ethylbenzoic acid	C <sub>9</sub> H <sub>10</sub> O <sub>2</sub>	612-19-
4,5-Dithiaoctane	C <sub>6</sub> H <sub>14</sub> S <sub>2</sub>	629-19-6	p-Ethylbenzoic acid	C <sub>9</sub> H <sub>10</sub> O <sub>2</sub>	619-64-
4,5-Dithia-1,8-octanedioic acid	C <sub>6</sub> H <sub>10</sub> O <sub>4</sub> S <sub>2</sub>	4775-93-3	2-Ethylbicyclohexyl	C <sub>14</sub> H <sub>26</sub>	66826-94-
$\beta,\beta'$ -Dithiodilactic acid	C <sub>6</sub> H <sub>10</sub> O <sub>4</sub> S <sub>2</sub>	4775-93-3	2-Ethylbicyclohexylmethane	C <sub>15</sub> H <sub>28</sub>	66374-71-
Di(p-tolyl)mercury	C <sub>14</sub> H <sub>14</sub> Hg	537-64-4	2-Ethylbiphenyl	C <sub>14</sub> H <sub>14</sub>	1812-51-
4,4'-Diundecanoyloxydiphenyldiacetylene	C <sub>38</sub> H <sub>50</sub> O <sub>4</sub>	71332-86-0	Ethyl bromide	C <sub>2</sub> H <sub>5</sub> Br	74-96-
DMF	C <sub>3</sub> H <sub>7</sub> NO	68-12-2	Ethyl butanoate	C <sub>8</sub> H <sub>12</sub> O <sub>2</sub>	105-54-
Docosfluorobicyclohexyl	C <sub>12</sub> F <sub>22</sub>	558-64-5	2-Ethyl-1-butanol	C <sub>6</sub> H <sub>14</sub> O	97-95-
n-Docosane	C <sub>22</sub> H <sub>46</sub>	629-97-0	Ethyl butyrate	C <sub>6</sub> H <sub>12</sub> O <sub>2</sub>	105-54-
Dodecacarbonyl triiron	C <sub>12</sub> Fe <sub>3</sub> O <sub>12</sub>	17685-52-8	Ethyl carbamate	C <sub>3</sub> H <sub>7</sub> NO <sub>2</sub>	51-79-
n-Dodecane	C <sub>12</sub> H <sub>26</sub>	112-40-3	N-Ethylcarbazole	C <sub>14</sub> H <sub>13</sub> N	86-28-
Dodecanedioic acid	C <sub>12</sub> H <sub>22</sub> O <sub>4</sub>	693-23-2	Ethyl cellulose	(C <sub>12</sub> H <sub>22</sub> O <sub>3</sub> ) <sub>n</sub>	9004-57-
1-Dodecanethiol	C <sub>12</sub> H <sub>26</sub> S	112-55-0	Ethyl chloride	C <sub>2</sub> H <sub>5</sub> Cl	75-00-
Dodecanoic acid	C <sub>12</sub> H <sub>24</sub> O <sub>2</sub>	143-07-7	Ethyl 2-chloropropanoate	C <sub>5</sub> H <sub>9</sub> ClO <sub>2</sub>	535-13-
1-Dodecanol	C <sub>12</sub> H <sub>26</sub> O	112-53-8	Ethyl $\alpha$ -chloropropionate	C <sub>5</sub> H <sub>9</sub> ClO <sub>2</sub>	535-13-
1-Dodecene	C <sub>12</sub> H <sub>24</sub>	112-41-4	24- $\beta$ -Ethylcholesterol	C <sub>29</sub> H <sub>50</sub> O	83-46-
1-Dodecene-urea adduct	C <sub>22</sub> H <sub>6.5</sub> N <sub>2</sub> O	1191-66-8	trans-Ethyl cinnamate	C <sub>11</sub> H <sub>12</sub> O <sub>2</sub>	103-36-
n-Dodecyl alcohol	C <sub>12</sub> H <sub>26</sub> O	112-53-8	Ethyl cyanide	C <sub>3</sub> H <sub>4</sub> N	107-12-
n-Dodecyl cyclohexane	C <sub>18</sub> H <sub>36</sub>	1795-17-1	Ethyl cyanoacetate	C <sub>5</sub> H <sub>7</sub> NO <sub>2</sub>	105-56-
n-Dodecyl mercaptan	C <sub>12</sub> H <sub>26</sub> S	112-55-0	Ethylcyclohexane	C <sub>8</sub> H <sub>16</sub>	1678-91-
n-Dodecyl methyl ketone	C <sub>14</sub> H <sub>28</sub> O	2345-27-9	Ethyl cyclohexanecarboxylate	C <sub>9</sub> H <sub>16</sub> O <sub>2</sub>	3289-28-
n-Dotetracontane	C <sub>42</sub> H <sub>86</sub>	7098-20-6	Ethylcyclopentane	C <sub>7</sub> H <sub>14</sub>	1640-89-
n-Dotriaccontane	C <sub>32</sub> H <sub>66</sub>	544-85-4	1-Ethylcyclopentene	C <sub>7</sub> H <sub>12</sub>	2146-38-
Dulcite	C <sub>6</sub> H <sub>14</sub> O <sub>6</sub>	608-66-2	Ethyl cyclopropanecarboxylate	C <sub>6</sub> H <sub>10</sub> O <sub>2</sub>	4606-07-
Dulcitol	C <sub>6</sub> H <sub>14</sub> O <sub>6</sub>	608-66-2			

Ethyldecalin	$C_{12}H_{22}$	unavailable	Ethyl tetracosanate	$C_{26}H_{52}O_2$	24634-95-5
$\alpha$ -Ethyldecalin	$C_{12}H_{22}$	1008-17-9	Ethyltetryl	$C_8H_7N_5O_8$	6052-13-7
$\beta$ -Ethyldecalin	$C_{12}H_{22}$	1618-23-1	Ethyl triacanitate	$C_{32}H_{64}O_2$	7505-12-6
Ethyl dichloroacetate	$C_4H_6Cl_2O_2$	535-15-9	Ethyltrichloroacetate	$C_4H_5Cl_3O_2$	515-84-4
Ethyl 2,3-dichloropropionate	$C_5H_8Cl_2O_2$	6628-21-3	Ethyltrichlorosilane	$C_2H_5Cl_3Si$	115-21-9
Ethyl $\alpha,\beta$ -dichloropropionate	$C_5H_8Cl_2O_2$	6628-21-3	Ethylurea	$C_3H_8N_2O$	625-52-5
Ethyl-2,2-dimethylpropanoate	$C_9H_{14}O_2$	3938-95-2	17 $\alpha$ -Ethylyn-17 $\beta$ -hydroxy-19-nor-4-androsten-3-one	$C_{20}H_{26}O_2$	68-22-4
Ethyl docosanate	$C_{24}H_{48}O_2$	5908-87-2	17 $\alpha$ -Ethylyn-17 $\beta$ -hydroxy-19-nor-4-androsten-3-one acetate	$C_{22}H_{28}O_3$	51-98-9
Ethyl dodecanoate	$C_{14}H_{28}O_2$	106-33-2	Eugenol	$C_{10}H_{12}O_2$	97-53-0
Ethyl eicosanoate	$C_{22}H_{44}O_2$	18281-05-5			
Ethylene	$C_2H_4$	74-85-1	F		
Ethylene-butadiene copolymer	$(C_6H_{10})_n$	25068-01-3	Ferrocene	$C_{10}H_{10}Fe$	102-54-5
Ethylene carbonate	$C_3H_6O_3$	96-49-1	Ferrocene- $d_{10}$	$C_{10}D_{10}Fe$	12082-87-0
Ethylene diamine	$C_2H_8N_2$	107-15-3	Ferrocene- $d_{10}$ thiourea clathrate (1:3)	$C_{13}H_{12}D_{10}FeN_6S_3$	108339-57-7
Ethylene dibromide	$C_2H_4Br_2$	106-93-4	Ferrocenium hexafluorophosphate	$C_{10}H_{10}F_6FeP$	11077-24-0
Ethylene dibromide- $d_1$	$C_2H_3DBr_2$	unavailable	Fluoranthene	$C_{16}H_{10}$	206-44-0
Ethylene dibromide- $d_2(1,1)$	$C_2D_2H_2Br_2$	unavailable	Fluoranthene-picric acid	$C_{22}H_{13}N_3O_7$	34532-28-0
Ethylene dibromide- $d_2(1,2)$	$C_2D_2H_2Br_2$	126266-42-0	Fluorene	$C_{13}H_{10}$	86-73-7
Ethylene dibromide- $d_3$	$C_2HD_3Br_2$	117164-17-7	Fluorene-picric acid	$C_{19}H_{13}N_3O_7$	64580-92-3
Ethylene dibromide- $d_4$	$C_2D_4Br_2$	22581-63-1	1-Fluoroadamantane	$C_{10}H_{15}F$	768-92-3
Ethylene dichloride	$C_2H_4Cl_2$	107-06-2	<i>p</i> -Fluoroaniline	$C_6H_6FN$	371-40-4
Ethylene dinitramine	$C_2H_6N_4O_4$	505-71-5	Fluorobenzene	$C_6H_6F$	462-06-6
Ethylene glycol	$C_2H_6O_2$	107-21-1	Fluoroform	$CHF_3$	75-46-7
Ethylene glycol- $d_2$	$C_3H_4D_2O_2$	2219-52-5	2-Fluoronaphthalene	$C_{10}H_7F$	323-09-1
Ethylene glycol acetate	$C_4H_8O_3$	111-55-7	<i>p</i> -Fluorophenol	$C_6H_5FO$	371-41-5
Ethylene glycol acetae	$C_5H_{10}O_4$	111-55-7	2-Fluorotoluene	$C_7H_7F$	95-52-3
Ethylene glycoldibutanoate	$C_{10}H_{18}O_4$	105-72-6	3-Fluorotoluene	$C_7H_7F$	352-70-5
Ethylene glycoldipropanoate	$C_8H_{14}O_4$	123-80-8	4-Fluorotoluene	$C_7H_7F$	352-32-9
Ethylene oxalate	$C_4H_4O_4$	3524-70-7	Fluorotrichloromethane	$CCl_3F$	75-69-4
Ethylene oxide	$C_2H_4O$	75-21-8	Formaldehyde,dimethylacetal	$C_3H_8O_2$	109-87-5
Ethylene oxide hydrate	$C_2H_4O \cdot 7H_2O$	16002-48-5	Formamide	$CH_3NO$	75-12-7
N-Ethylethanamide	$C_4H_9NO$	627-45-2	Formic acid	$CH_2O_2$	64-18-6
Ethyl ethanoate	$C_4H_8O_2$	141-78-6	Freon 11	$CCl_3F$	75-69-4
Ethyl formate	$C_3H_6O_2$	109-94-4	Freon 12	$CCl_2F_2$	75-71-8
Ethyl heptadecanoate	$C_{10}H_{38}O_2$	14010-23-2	Freon 14	$CF_4$	75-73-0
Ethyl hexacosanate	$C_{28}H_{56}O_2$	29030-81-7	Freon 21	$CHCl_2F$	75-43-4
Ethyl hexadecanoate	$C_{18}H_{36}O_2$	628-97-7	Freon 22	$CHClF_2$	75-45-6
2-Ethylhexanol	$C_8H_{18}O$	104-76-7	Freon 23	$CHF_3$	75-46-7
9-(2'-Ethylhexyl)perhydrofluorene	$C_{21}H_{38}$	unavailable	Freon 113	$C_2Cl_3F_3$	76-13-1
Ethyl hydrocinnamate	$C_{11}H_{20}O_2$	2021-28-5	Freon 114	$C_2Cl_2F_4$	76-14-2
Ethylhydroindan	$C_{11}H_{20}$	unavailable	Freon-122	$C_2HCl_3F_2$	354-21-2
Ethylidene chloride	$C_2H_4Cl_2$	75-34-3	Freon-132	$C_2H_2Cl_2F_2$	431-06-1
Ethylenedicyclohexane	$C_8H_{14}$	1003-64-1	Freon 143	$C_2H_3F_3$	420-46-2
Ethylenecyclopentane	$C_5H_{12}$	2146-37-4	Freon 152a	$C_2H_4F_2$	75-37-6
Ethylenedifluoride	$C_2H_2F_2$	75-37-6	Freon C318	$C_4F_8$	115-25-3
2-Ethylimidazole	$C_5H_8N_2$	1072-62-4	Fructose	$C_6H_{12}O_6$	7660-25-5
Ethyl iodide	$C_2H_5I$	75-03-6	Fullerene	$C_60$	99685-96-8
Ethyl isothiocyanate	$C_3H_3NS$	542-85-8	Fullerene epoxide	$C_60O$	135105-53-2
Ethyl laurate	$C_{14}H_{28}O_2$	106-33-2	Fumaric acid	$C_4H_4O_4$	110-17-8
Ethyl margarate	$C_{19}H_{38}O_2$	14010-23-2	Furan	$C_4H_4O$	110-00-9
Ethyl mercaptan	$C_3H_6S$	75-08-1	Furfural	$C_5H_4O_2$	98-01-1
Ethyl methanoate	$C_3H_6O_2$	109-94-4	Furfuraldehyde	$C_5H_4O_2$	98-01-1
Ethyl methyl sulfide	$C_3H_8S$	624-89-5	Furfuryl alcohol	$C_5H_6O_2$	98-00-0
Ethyl nitrate	$C_2H_5NO_3$	625-58-1	G		
Ethyl nonadecanoate	$C_{21}H_{42}O_2$	18281-04-4	Gadolinium isothiocyanate hexahydrate	$C_3GdN_3S_3 \cdot 6H_2O$	94007-91-7
Ethyl octadecanoate	$C_{20}H_{40}O_2$	111-61-5	Galactitol	$C_6H_{14}O_6$	608-66-2
Ethyl palmitate	$C_{18}H_{36}O_2$	628-97-7	Galactose	$C_6H_{12}O_6$	59-23-4
3-Ethylpentane	$C_7H_{16}$	617-78-7	$\alpha$ -Galactose(D)	$C_6H_{12}O_6$	59-23-4
3-Ethyl-3-pentanol	$C_7H_{14}O$	597-49-9	Gallium triethyl	$C_6H_{15}Ga$	1115-99-7
2-Ethylperhydrophenanthrene	$C_{16}H_{28}$	unavailable	Galvinoxyl hydrogalvinoxyl (6:1) radical	$C_{203}H_{388}O_{14}$	120660-76-6
3-Ethylperhydropyrene	$C_{18}H_{30}$	unavailable	Galvinoxyl hydrogalvinoxyl (9:1) radical	$C_{290}H_{411}O_{20}$	120660-77-7
4-Ethylphenol	$C_8H_{10}O$	123-07-9	Galvinoxyl radical	$C_{29}H_{41}O_2$	2370-18-5
Ethyl N-phenylcarbamate	$C_9H_{11}NO_2$	101-99-5	Geranial	$C_{10}H_{16}O$	141-27-5
Ethyl phenyl ether	$C_8H_{10}O$	103-73-1	Germanium tetraethyl	$C_8H_{20}Ge$	597-63-7
Ethyl propanoate	$C_5H_{10}O_2$	105-37-3	Glassy carbon	$C$	7440-44-0
Ethyl propionate	$C_5H_{10}O_2$	105-37-3			
Ethyl <i>n</i> -propyl ether	$C_8H_{12}O$	628-32-0			
Ethyl <i>n</i> -propyl ketone	$C_6H_{12}O$	589-38-8			
Ethyl <i>n</i> -propyl sulfide	$C_5H_{12}S$	4110-50-3			
Ethyl silicate	$C_8H_{20}O_4Si$	78-10-4			
Ethyl stearate	$C_{20}H_{40}O_2$	111-61-5			

$\alpha$ -Glucose(D)	$C_6H_{12}O_6$	492-62-6	Hexadecafluoro-3-butyltetrahydrofuran	$C_8F_{16}O$	500005-57-
$\alpha$ -Glucose pentaacetate(D)	$C_{16}H_{22}O_{22}$	604-68-2	Hexadecafluorodimethylcyclohexane	$C_8F_{16}$	26637-68-
$\beta$ -Glucose pentaacetate(D)	$C_{16}H_{22}O_{22}$	604-69-3	Hexadecafluoroheptane	$C_7F_{16}$	335-57-
Glutamic acid	$C_5H_9NO_4$	56-86-0	<i>n</i> -Hexadecane	$C_{16}H_{34}$	544-76-
Glutamic acid(D)	$C_5H_9NO_4$	6893-26-1	1-Hexadecanethiol	$C_{16}H_{34}S$	2917-26-
Glutamic acid(L)	$C_5H_9NO_4$	56-86-0	Hexadecanoic acid	$C_{16}H_{32}O_2$	57-10-
Glutamic acid hydrochloride	$C_5H_{10}ClNO_4$	138-15-8	1-Hexadecanol	$C_{16}H_{34}O$	36653-82-
Glutamine(L)	$C_5H_{10}N_2O_3$	56-85-9	Hexa- <i>o</i> -decanoyl-scyllo-inositol	$C_{66}H_{120}O_{12}$	99409-67-
Glutaric acid	$C_5H_8O_4$	110-94-1	1-Hexadecene	$C_{16}H_{32}$	629-73-
Glutaronitrile	$C_5H_5N_2$	544-13-8	1-Hexadecene-urea adduct	$C_{2,3}H_{6,7}N_2O$	24494-57-
Glycerol	$C_3H_8O_3$	56-81-5	<i>n</i> -Hexadecyl mercaptan	$C_{16}H_{34}S$	2917-26-
Glycerol- <i>d</i> <sub>3</sub>	$C_3H_5D_3O_3$	7325-16-8	1,5-Hexadiene	$C_6H_{10}$	592-42-
Glyceryl triacetate	$C_9H_{14}O_6$	102-76-1	2,4-Hexadiyne	$C_6H_6$	2809-69-
Glyceryl tributyrate	$C_{15}H_{26}O_6$	60-01-5	Hexaethylbenzene	$C_{18}H_{30}$	604-88-
Glyceryl tricaproate	$C_{21}H_{38}O_6$	621-70-5	Hexaethylcyclotrihexane	$C_{18}H_{36}$	98803-61-
Glyceryl tridecanoate	$C_{33}H_{60}O_6$	621-71-6	1,1,3,3,5,5-Hexaethylcyclotrisiloxane	$C_{12}H_{30}O_3Si_3$	2031-79-
Glyceryl trilauroate	$C_{39}H_{74}O_6$	538-24-9	Hexaethylsiloxane	$C_{12}H_{30}OSi_2$	994-49-
Glyceryl trimargarate	$C_{54}H_{104}O_6$	2438-40-6	Hexaethylene glycol	$C_{12}H_{26}O_7$	2615-15-
Glyceryl trimyristate	$C_{44}H_{86}O_6$	555-45-3	Hexafluoroacetone	$C_3F_6O$	684-16-
Glyceryl trioctanoate	$C_{27}H_{50}O_6$	538-23-8	Hexafluorobenzene	$C_6F_6$	392-56-
Glyceryl tripalmitate	$C_{51}H_{98}O_6$	555-44-2	Hexafluoroethane	$C_2F_6$	76-16-
Glyceryl tristearate	$C_{57}H_{116}O_6$	555-43-1	Hexafluoropropane	$C_3F_6O$	684-16-
Glycine	$C_{2}H_5NO_2$	56-40-6	Hexa- <i>o</i> -hexanoyl-scyllo-inositol	$C_{42}H_{20}O_{12}$	88269-10-
Glycolide	$C_4H_8O_4$	502-97-6	2,3,6,7,10,11-Hexa- <i>n</i> -hexyloxytriphenylene	$C_{54}H_{84}O_6$	70351-86-
Glycylglycine	$C_4H_8N_2O_3$	556-50-3	4 <i>a</i> ,4 <i>c</i> ,5,9 <i>b</i> ,9 <i>c</i> ,10-Hexahydrocyclabuta-[1,2-a;3,4-a']diindene	$C_{18}H_{16}$	25456-55-
Gramine	$C_{11}H_{14}N_2$	87-52-5	4 <i>b</i> ,4 <i>c</i> ,9,9 <i>a</i> ,9 <i>b</i> ,10-Hexahydrocyclobuta-[1,2-a;4,3-a']diindene	$C_{18}H_{16}$	23358-17-
Graphite	$C$	7782-42-5	Hexahydroindan	$C_6H_{16}$	496-10-
Graphite, Acheson	$C$	7782-42-5	<i>cis</i> -Hexahydroindan	$C_9H_{16}$	4551-51-
Graphite, Acheson, irradiated	$C$	7782-42-5	<i>trans</i> -Hexahydroindan	$C_9H_{16}$	3296-50-
Graphite, natural Taiguinsk	$C$	7782-42-5	1,2,3,6,7,8-Hexahydrodipropene	$C_{16}H_{16}$	1732-13-
Graphite, pyrolytic	$C_2H_7N_3O_3$	593-85-1	Hexahydroxyhexaethylenediamine chromium sulfate dehydrate	$C_{12}H_{14}Cr_4N_{12}O_{18}S_3 \cdot 10H_2O$	35705-97-
Guanidine carbonate	$C_5H_5N_5O$	73-40-5	Hexakis( $\mu$ -acetato)( $\mu$ <sub>3</sub> -oxo)tris(pyridine) iron(II)diuron(III) chlorotorm	$C_{28}H_{34}Cl_3Fe_3N_3O_{13}$	117799-61-
Guanine			Hexakis( $\mu$ -acetato)( $\mu$ <sub>3</sub> -oxo)tris(pyridine) trimanganese-pyridine	$C_{32}H_{38}Mn_3N_4O_{13}$	109839-55-
<b>H</b>			2,3,6,7,10,11-Hexakis(1-decynyl)triphenylene	$C_{78}H_{108}$	125594-11-
<i>n</i> -Heneicosane	$C_{21}H_{44}$	629-94-7	2,3,6,7,10,11-Hexakis(4-heptylphenyl) ethynyl[triphenylene]	$C_{108}H_{120}$	125594-09-
<i>n</i> -Hentriacontane	$C_{31}H_{64}$	630-04-6	Hexakis([(4-hexylphenyl)ethynyl]benzene	$C_{90}H_{102}$	125594-06-
<i>n</i> -Heptacosane	$C_{27}H_{56}$	593-49-7	Hexakis([(4-pentylphenyl)ethynyl]benzene	$C_{84}H_{90}$	125594-05-
<i>n</i> -Heptadecane	$C_{17}H_{36}$	629-78-7	2,3,6,7,10,11-Hexakis[(4-pentylphenyl) ethynyl]triphenylene	$C_{96}H_{96}$	125594-08-
Heptadecanoic acid	$C_{17}H_{34}O_2$	506-12-7	Hexamethylbenzene	$C_{12}H_{18}$	87-85-
1-Heptadecanol	$C_{17}H_{36}O$	1454-85-9	Hexamethylbenzene, deuterated	$C_{12}D_{18}$	4342-40-
<i>n</i> -Heptadecyl alcohol	$C_{17}H_{36}O$	123-24-0	Hexamethylcyclotrisilazane	$C_{6}H_{21}N_2Si_3$	1009-93-
1,1,1,2,3,3-Heptafluoropropane	$C_3HF_7$	431-89-0	Hexamethylcyclotrisiloxane	$C_6H_{18}O_3Si_3$	541-05-
<i>n</i> -Heptaldehyde	$C_7H_{14}O$	111-71-7	1,1,3,3,5,5-Hexamethyl-7,7-diphenylcyclotetrasiloxane	$C_{18}H_{28}O_4Si_4$	1693-44-
2,2,4,6,8,8-IIcptamethylnonane	$C_{16}H_{34}$	4390-04-9	1,1,1,5,5,5-Hexamethyl-3,3-diphenyltrisiloxane	$C_{24}H_{28}O_2Si_3$	797-77-
1,1,1,3,5,5-Heptamethyl-3-phenyltrisiloxane	$C_{13}H_{26}O_2Si_3$	546-44-1	Hexamethyldisilane	$C_6H_{18}Si_3$	1450-14-
Heptanal	$C_7H_{14}O$	111-71-7	Hexamethyldisiloxane	$C_6H_{18}OSi_2$	107-46-
<i>n</i> -Heptane	$C_7H_{16}$	142-82-5	Hexamethyldisilylmethane	$C_7H_{20}Si_2$	2117-28
1-Heptanethiol	$C_7H_{16}S$	1639-09-4	1,6-Hexamethylene diisocyanate	$C_8H_{12}N_2O_2$	822-06-
Heptanoic acid	$C_7H_{14}O_2$	111-14-8	1,6-Hexamethylene diisocyanate polycyclotrimer	$(C_8H_{12}N_2O_2)_n$	28182-81
1-Heptanol	$C_7H_{16}O$	111-70-6	Hexamethyleneimine	$C_6H_{13}N$	111-49
4-Heptanol	$C_7H_{16}O$	589-55-9	Hexamethylenetetramine	$C_6H_{12}N_4$	100-97-
1-Heptene	$C_7H_{14}$	592-76-7	Hexamethylphosphoramide	$C_6H_{18}N_3OP$	680-31-
4-n-Heptoxyphenyl-4'- <i>n</i> -butylbenzoate	$C_{24}H_{32}O_3$	38454-35-2	Hexamethylphosphoric triamide	$C_6H_{18}N_3OP$	680-31-
<i>n</i> -Heptyl alcohol	$C_7H_{16}O$	111-70-6	<i>cis</i> -(5,12)-7,7,14,14-Hexamethyl-1,4,8,11-tetraazacyclotetradecane	$C_{16}H_{36}N_4$	56144-06-
<i>n</i> -Heptylbenzene	$C_{13}H_{30}$	1078-71-3	2,6,10,15,19,23-Hexamethyltetracosane	$C_{30}H_{62}$	111-01-
4- <i>n</i> -Heptylbicyclohexyl	$C_{19}H_{36}$	96667-88-8	1,1,3,3,5,5-Hexamethyl-1,3,5-trisilacyclohexane	$C_9H_{24}Si_3$	1627-99-
<i>n</i> -Heptyl bromide	$C_7H_{15}Br$	629-04-9	1-Hexanal	$C_6H_{12}O$	66-25-
<i>n</i> -Heptyl chloride	$C_7H_{15}Cl$	629-06-1	<i>n</i> -Hexane	$C_6H_{14}$	110-54-
<i>n</i> -Heptylcyclohexane	$C_{13}H_{26}$	5617-41-4	1,6-Hexanedioic acid	$C_6H_{10}O_4$	124-04-
<i>n</i> -Heptyl iodide	$C_7H_{15}I$	4282-40-0			
<i>n</i> -Heptyl mercaptan	$C_7H_{16}S$	1639-09-4			
4- <i>n</i> -Heptyltercylohexyl	$C_{25}H_{46}$	unavailable			
4'- <i>n</i> -Heptyl- <i>m</i> -tercylohexyl	$C_6Cl_6$	118-74-1			
Hexachlorobenzene	$C_6Cl_6$	58-89-9			
$\gamma$ -Hexachlorocyclohexane	$C_3Cl_6$	2065-35-2			
Hexachlorocyclopropane	$C_2Cl_6$	67-72-1			
Hexachloroethane	$C_36H_{44}$	630-01-3			
<i>n</i> -Hexacosane	$C_{20}H_{30}$	26902-55-6			
Hexacyclopentylethane					

1,6-Hexanediol	C <sub>6</sub> H <sub>14</sub> O <sub>2</sub>	629-11-8	Hydroxybutanedioic acid	C <sub>4</sub> H <sub>6</sub> O <sub>5</sub>	6915-15-7
1-Hexanethiol	C <sub>6</sub> H <sub>14</sub> S	111-31-9	2-(2'-Hydroxyethoxy)ethyl pivalate	C <sub>9</sub> H <sub>18</sub> O <sub>4</sub>	20267-21-4
Hexanitroethane	C <sub>2</sub> N <sub>6</sub> O <sub>12</sub>	918-37-6	2-Hydroxyethyl-2',2'-dimethylpropionate	C <sub>9</sub> H <sub>14</sub> O <sub>3</sub>	20267-19-0
Hexanoic acid	C <sub>6</sub> H <sub>12</sub> O <sub>2</sub>	142-62-1	2-Hydroxyethyl pivalate	C <sub>7</sub> H <sub>14</sub> O <sub>3</sub>	20267-19-0
1-Hexanol	C <sub>6</sub> H <sub>14</sub> O	111-27-3	N-(2-Hydroxy-4-methoxybenzylidene)- <i>p</i> -butylaniline	C <sub>18</sub> H <sub>21</sub> NO <sub>2</sub>	30633-94-4
2-Hexanol	C <sub>6</sub> H <sub>14</sub> O	626-93-7	2-Hydroxy-4-(methoxymethyl)-6-methyl-5-nitro-3-pyridinecarbonitrile	C <sub>9</sub> H <sub>9</sub> N <sub>3</sub> O <sub>4</sub>	6281-75-0
3-Hexanol	C <sub>6</sub> H <sub>14</sub> O	623-37-0	5-Hydroxy-4-(methoxymethyl)-6-methyl-3-pyridinemethanol	C <sub>9</sub> H <sub>13</sub> NO <sub>3</sub>	1464-33-1
2-Hexanone	C <sub>6</sub> H <sub>12</sub> O	591-78-6	2-Hydroxymethyl-2-methyl-1,3-propanediol	C <sub>5</sub> H <sub>12</sub> O <sub>3</sub>	77-85-0
3-Hexanone	C <sub>6</sub> H <sub>12</sub> O	107-87-9	2-Hydroxymethyl-2-methyl-1,3-propanediol tetrahydrate	C <sub>5</sub> H <sub>12</sub> O <sub>3</sub> ·4H <sub>2</sub> O	142381-76-8
2,3,6,7,10,11-Hexa- <i>n</i> -octanoyloxy triphenylene	C <sub>66</sub> H <sub>96</sub> O <sub>12</sub>	70351-94-9	5-Hydroxy-6-methyl-3,4-pyridinedimethanol	C <sub>8</sub> H <sub>11</sub> NO <sub>3</sub>	65-23-6
2,3,6,7,10,11-Hexa- <i>n</i> -octanoyloxy triphenylene (solid I)	C <sub>66</sub> H <sub>96</sub> O <sub>12</sub>	70351-94-9	1-Hydroxynaphthalene	C <sub>10</sub> H <sub>8</sub> O	90-15-3
2,3,6,7,10,11-Hexa- <i>n</i> -octanoyloxy triphenylene (solid II)	C <sub>66</sub> H <sub>96</sub> O <sub>12</sub>	70351-94-9	2-Hydroxynaphthalene	C <sub>10</sub> H <sub>8</sub> O	135-19-3
2,3,6,7,10,11-Hexa- <i>n</i> -octanoyloxy triphenylene (solid III)	C <sub>66</sub> H <sub>96</sub> O <sub>12</sub>	70351-94-9	17-Hydroxy-(17 <i>a</i> )-19-norpregn-4-en-20-yn-3-one	C <sub>20</sub> H <sub>26</sub> O <sub>2</sub>	68-22-4
Hexa- <i>o</i> -octanoyl-scylo-inositol	C <sub>54</sub> H <sub>96</sub> O <sub>12</sub>	98566-49-5	2-Hydroxymethyl-2-nitro-1,3-propanediol	C <sub>4</sub> H <sub>9</sub> NO <sub>5</sub>	126-11-4
Hexaphenylcyclotrisiloxane	C <sub>36</sub> H <sub>30</sub> O <sub>3</sub> Si <sub>3</sub>	512-63-0	2,3-Hydroxynaphthalene	C <sub>10</sub> H <sub>8</sub> O <sub>2</sub>	92-44-4
1,1,3,3,5,5-Hexamethyl-7,7-dimethylcyclotetrasiloxane	C <sub>38</sub> H <sub>36</sub> O <sub>4</sub> Si <sub>4</sub>	1693-46-5	4- <i>p</i> -Hydroxyphenyl-2,2,4-trimethylchroman	C <sub>18</sub> H <sub>20</sub> O <sub>2</sub>	472-41-3
Hexaphenyldisiloxane	C <sub>36</sub> H <sub>30</sub> OSi <sub>2</sub>	1829-40-9	2-Hydroxypropanoic acid(D)	C <sub>3</sub> H <sub>6</sub> O <sub>3</sub>	10326-41-7
Hexaphenylisomelamine	C <sub>39</sub> H <sub>30</sub> N <sub>6</sub>	604-45-5	2-Hydroxypropanoic acid(DL)	C <sub>3</sub> H <sub>6</sub> O <sub>3</sub>	50-21-5
Hexaphenylmelamine	C <sub>39</sub> H <sub>30</sub> N <sub>6</sub>	18343-40-3	2-Hydroxypropanoic acid(L)	C <sub>3</sub> H <sub>6</sub> O <sub>3</sub>	79-33-4
Hexapropylene glycol	C <sub>18</sub> H <sub>38</sub> O <sub>7</sub>	52794-80-6	2-Hydroxytoluene	C <sub>7</sub> H <sub>8</sub> O	108-39-4
<i>n</i> -Hexatriacontane	C <sub>36</sub> H <sub>74</sub>	630-06-8	<i>m</i> -Hydroxytoluene	C <sub>7</sub> H <sub>8</sub> O	95-48-7
1-Hexene	C <sub>6</sub> H <sub>12</sub>	592-41-6	<i>o</i> -Hydroxytoluene	C <sub>7</sub> H <sub>8</sub> O	106-44-5
cis-2-Hexene	C <sub>6</sub> H <sub>12</sub>	7688-21-3	<i>p</i> -Hydroxytoluene		
1-Hexene polysulfone	(C <sub>6</sub> H <sub>12</sub> O <sub>2</sub> S) <sub>n</sub>	34903-07-6	anti <sup>9,10</sup> -10-endo-Hydroxytricyclo[4.2.1.1 <sup>2,5</sup> ]deca-3,7-dien-9-one	C <sub>10</sub> H <sub>10</sub> O <sub>2</sub>	65181-88-6
Hexogen	C <sub>3</sub> H <sub>6</sub> N <sub>6</sub> O <sub>6</sub>	121-82-4	Hypoxanthine	C <sub>5</sub> H <sub>4</sub> N <sub>4</sub> O	68-94-0
4- <i>n</i> -Hexoxyphenyl-4'- <i>n</i> -decyloxybenzoate	C <sub>29</sub> H <sub>42</sub> O <sub>4</sub>	68162-09-4	I		
<i>n</i> -Hexyl alcohol	C <sub>6</sub> H <sub>14</sub> O	11-27-3	Idryl	C <sub>16</sub> H <sub>10</sub>	206-44-0
<i>n</i> -Hexylamine	C <sub>6</sub> H <sub>15</sub> N	111-26-2	Imidazole	C <sub>3</sub> H <sub>4</sub> N <sub>2</sub>	288-32-4
<i>n</i> -Hexylbenzene	C <sub>12</sub> H <sub>18</sub>	1077-16-3	2-Imino-4-thiazolidinone	C <sub>3</sub> H <sub>4</sub> N <sub>2</sub> S	556-90-1
<i>n</i> -Hexyl bromide	C <sub>6</sub> H <sub>13</sub> Br	111-25-1	Indane	C <sub>9</sub> H <sub>10</sub>	496-11-7
<i>n</i> -Hexyl chloride	C <sub>6</sub> H <sub>13</sub> Cl	544-10-5	Indazole	C <sub>7</sub> H <sub>6</sub> N <sub>2</sub>	271-44-3
17-[[[4-(4-Hexylcyclohexyl)carbonyl]oxy]-[17 <i>a</i> ,17( <i>trans</i> )]-19-norpregn-4-en-20-yn-3-one	C <sub>33</sub> H <sub>48</sub> O <sub>3</sub>	71203-37-7	Indene	C <sub>6</sub> H <sub>8</sub>	95-13-6
Hexyl ethanoate	C <sub>8</sub> H <sub>16</sub> O <sub>2</sub>	142-92-7	Indene picric acid	C <sub>15</sub> H <sub>11</sub> N <sub>3</sub> O <sub>7</sub>	72454-47-8
<i>n</i> -Hexyl iodide	C <sub>6</sub> H <sub>13</sub> I	638-45-9	Indole	C <sub>8</sub> H <sub>7</sub> N	120-72-9
<i>n</i> -Hexyl mercaptan	C <sub>6</sub> H <sub>14</sub> S	111-31-9	3-Indole aldehyde	C <sub>9</sub> H <sub>7</sub> NO	487-89-8
<i>p</i> - <i>n</i> -Hexyloxybenzylideneamino- <i>p</i> '-benzonitrile	C <sub>20</sub> H <sub>22</sub> N <sub>2</sub> O	35280-78-5	meso-Inositol	C <sub>6</sub> H <sub>12</sub> O <sub>6</sub>	87-89-8
<i>p</i> - <i>n</i> -Hexyloxybenzylideneamino- <i>p</i> '-chlorobenzene	C <sub>19</sub> H <sub>22</sub> ClNO	5219-48-7	myo-Inositol	C <sub>6</sub> H <sub>12</sub> O <sub>6</sub>	87-89-8
<i>p</i> - <i>n</i> -Hexyloxybenzylideneamino- <i>p</i> '-fluorobenzene	C <sub>19</sub> H <sub>22</sub> FNO	56544-26-4	Iodobenzoic acid	C <sub>6</sub> H <sub>5</sub> I	591-50-4
<i>p</i> - <i>n</i> -Hexyloxybenzylideneaniline	C <sub>19</sub> H <sub>23</sub> NO	5219-49-8	Iodobis(N,N-diethylthiocarbamato) iron(III)	C <sub>7</sub> H <sub>5</sub> JO <sub>2</sub>	619-58-9
<i>N</i> - <i>p</i> - <i>n</i> -Hexyloxybenzylidene- <i>p</i> '-n-butylaniline	C <sub>23</sub> H <sub>31</sub> NO	29743-11-1	Iodobis(N,N-dimethylthiocarbamato) iron(III)	C <sub>10</sub> H <sub>20</sub> FeIN <sub>2</sub> S <sub>4</sub>	38246-70-7
<i>p</i> - <i>n</i> -Hexyloxybenzylidene- <i>p</i> '-toluidine	C <sub>20</sub> H <sub>25</sub> NO	25959-51-7	1-Iodobutane	C <sub>6</sub> H <sub>12</sub> FeIN <sub>2</sub> S <sub>4</sub>	23672-38-0
Hexyl N-phenylcarbamate	C <sub>12</sub> H <sub>16</sub> NO <sub>2</sub>	unavailable	2-Iodobutane	C <sub>4</sub> H <sub>9</sub> I	542-69-8
1-Hexynylcopper	C <sub>6</sub> H <sub>7</sub> Cu	33589-44-5	Iodoethane	C <sub>4</sub> H <sub>9</sub> I	513-48-4
Hippuric acid	C <sub>9</sub> H <sub>10</sub> NO <sub>3</sub>	495-69-2	Iodoform	C <sub>2</sub> H <sub>5</sub> I	75-03-6
Hippurylglycine	C <sub>11</sub> H <sub>12</sub> N <sub>2</sub> O <sub>4</sub>	1145-32-0	1-Iodoheptane	CHI <sub>3</sub>	75-47-8
Histidine hydrochloride(L)	C <sub>6</sub> H <sub>10</sub> ClN <sub>2</sub> O <sub>2</sub>	1007-42-7	1-Iodomethane	C <sub>2</sub> H <sub>13</sub> I	4282-40-0
HMX	C <sub>4</sub> H <sub>8</sub> N <sub>8</sub> O <sub>8</sub>	2691-41-0	1-Iodo-3-methylbutane	C <sub>6</sub> H <sub>13</sub> I	638-45-9
Homocubane-4-carboxylic acid	C <sub>10</sub> H <sub>10</sub> O <sub>2</sub>	15844-05-0	1-Iodo-2-methylpropane	CH <sub>3</sub> I	74-88-9
Hydrazinium hydrogen oxalate	C <sub>5</sub> H <sub>6</sub> N <sub>2</sub> O <sub>4</sub>	20321-02-2	1-Iodopentane	C <sub>5</sub> H <sub>11</sub> I	541-28-6
Hydrogen cyanide	CHN	74-90-8	1-Iodopropane	C <sub>4</sub> H <sub>9</sub> I	513-38-2
Hydroquinone	C <sub>6</sub> H <sub>6</sub> O <sub>2</sub>	123-31-9	2-Iodopropane	C <sub>3</sub> H <sub>11</sub> I	628-17-1
<i>o</i> -Hydroxyacetanilide	C <sub>8</sub> H <sub>9</sub> NO <sub>2</sub>	614-80-2	Iron (III) acetylacetone	C <sub>3</sub> H <sub>11</sub> I	107-08-4
1-Hydroxyadamantane	C <sub>10</sub> H <sub>16</sub> O	768-95-6	Isoamyl alcohol	C <sub>3</sub> H <sub>7</sub> I	75-30-9
2-Hydroxyadamantane	C <sub>10</sub> H <sub>16</sub> O	700-57-2	Isoamyl bromide	C <sub>15</sub> H <sub>21</sub> FeO <sub>6</sub>	14024-18-1
2-Hydroxybenzaldehyde	C <sub>7</sub> H <sub>6</sub> O <sub>2</sub>	90-02-8	Isoamyl chloride	C <sub>5</sub> H <sub>12</sub> O	123-51-3
Hydroxybenzene	C <sub>6</sub> H <sub>6</sub> O	108-95-2	Isoamyl iodide	C <sub>5</sub> H <sub>11</sub> Br	107-82-4
<i>m</i> -Hydroxybenzoic acid	C <sub>7</sub> H <sub>6</sub> O <sub>3</sub>	99-06-9	Isoamyl mercaptan	C <sub>5</sub> H <sub>11</sub> Cl	107-84-6
<i>o</i> -Hydroxybenzoic acid	C <sub>7</sub> H <sub>6</sub> O <sub>3</sub>	69-72-7	Isoamyl propionate	C <sub>4</sub> H <sub>11</sub> I	541-28-6
<i>p</i> -Hydroxybenzoic acid	C <sub>7</sub> H <sub>6</sub> O <sub>3</sub>	99-96-7	Isobutane	C <sub>5</sub> H <sub>12</sub> S	541-31-1
<i>o</i> -Hydroxybiphenyl	C <sub>12</sub> H <sub>10</sub> O	90-43-7	Isobutene	C <sub>8</sub> H <sub>16</sub> O <sub>2</sub>	105-68-0
				C <sub>4</sub> H <sub>10</sub>	75-28-5
				C <sub>4</sub> H <sub>8</sub>	115-11-7

Isobutylamine	C <sub>4</sub> H <sub>11</sub> N	78-81-9	Lead(II) decanoate	C <sub>20</sub> H <sub>38</sub> O <sub>4</sub> Pb	15773-52-
Isobutyl acetate	C <sub>6</sub> H <sub>12</sub> O <sub>2</sub>	110-19-0	Lead dicalcium propionate	C <sub>18</sub> H <sub>30</sub> Ca <sub>2</sub> O <sub>12</sub> Pb	17203-66-
Isobutyl alcohol	C <sub>4</sub> H <sub>10</sub> O	78-83-1	Lead(II) <i>n</i> -dodecanoate	C <sub>24</sub> H <sub>46</sub> O <sub>4</sub> Pb	15773-55-
Isobutyl bromide	C <sub>4</sub> H <sub>9</sub> Br	78-77-3	Lead(II) enanthate	C <sub>14</sub> H <sub>26</sub> O <sub>4</sub> Pb	21180-26-
Isobutyl chloride	C <sub>4</sub> H <sub>9</sub> Cl	513-36-0	Lead(II) heptadecanoate	C <sub>34</sub> H <sub>66</sub> O <sub>4</sub> Pb	63399-94-
$\alpha$ -Isobutyldecalin	C <sub>14</sub> H <sub>26</sub>	92369-83-0	Lead(II) heptanoate	C <sub>14</sub> H <sub>26</sub> O <sub>4</sub> Pb	21180-26-
Isobutyl formate	C <sub>5</sub> H <sub>10</sub> O <sub>2</sub>	542-55-2	Lead(II) <i>n</i> -hexadecanoate	C <sub>32</sub> H <sub>62</sub> O <sub>4</sub> Pb	15773-56-
Isobutyl iodide	C <sub>4</sub> H <sub>9</sub> I	513-38-2	Lead(II) <i>n</i> -hexanoate	C <sub>12</sub> H <sub>20</sub> O <sub>4</sub> Pb	15773-53-
Isobutyl mercaptan	C <sub>4</sub> H <sub>10</sub> S	513-44-0	Lead(II) nonadecanoate	C <sub>38</sub> H <sub>74</sub> O <sub>4</sub> Pb	69065-37-
Isobutylmethylketone	C <sub>6</sub> H <sub>12</sub> O	108-10-1	Lead(II) nonanoate	C <sub>18</sub> H <sub>34</sub> O <sub>4</sub> Pb	63400-08-
Isobutyric acid	C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	79-31-2	Lead(II) <i>n</i> -octadecanoate	C <sub>36</sub> H <sub>70</sub> O <sub>4</sub> Pb	1072-35-
Isobutyryl chloride	C <sub>4</sub> H <sub>7</sub> ClO	79-30-1	Lead(II) <i>n</i> -octanoate	C <sub>16</sub> H <sub>30</sub> O <sub>4</sub> Pb	7319-86-
Isochroman	C <sub>9</sub> H <sub>10</sub> O	493-05-0	Lead(II) oenanthate	C <sub>14</sub> H <sub>26</sub> O <sub>4</sub> Pb	21180-26-
1-(1-Isocyanato-1-methylethyl)-3-(1-methylethylene)benzene			Lead(II) oxalate	C <sub>2</sub> O <sub>4</sub> Pb	21180-26-
1-(1-Isocyanato-1-methylethyl)-4-(1-methylethylene)benzene	C <sub>13</sub> H <sub>15</sub> NO	2094-99-7	Lead(II) pelargonate	C <sub>18</sub> H <sub>34</sub> O <sub>4</sub> Pb	63400-08-
1-Isocyanobicyclo[2.2.1]heptane	C <sub>13</sub> H <sub>15</sub> NO	2889-58-9	Lead(II) pentadecanoate	C <sub>30</sub> H <sub>58</sub> O <sub>4</sub> Pb	63400-06-
Isocyanocyclohexane	C <sub>7</sub> H <sub>11</sub> N	88523-51-7	Lead(II) <i>n</i> -tetradecanoate	C <sub>28</sub> H <sub>54</sub> O <sub>4</sub> Pb	32112-52-
Isodurene	C <sub>7</sub> H <sub>11</sub> N	931-53-3	Lead(II) undecanoate	C <sub>26</sub> H <sub>50</sub> O <sub>4</sub> Pb	50354-80-
Isoleucine(L)	C <sub>10</sub> H <sub>14</sub>	527-53-7	Leucine(DL)	C <sub>24</sub> H <sub>46</sub> O <sub>4</sub> Pb	63400-07-
Isonicotinic acid	C <sub>6</sub> H <sub>13</sub> NO <sub>2</sub>	73-32-5	Leucine(L)	C <sub>6</sub> H <sub>13</sub> NO <sub>2</sub>	328-39-
Isonitrosoacetanilide	C <sub>6</sub> H <sub>5</sub> NO <sub>2</sub>	55-22-1	Leucylglycine(DL)	C <sub>6</sub> H <sub>13</sub> NO <sub>2</sub>	61-90-
Isooctane	C <sub>8</sub> H <sub>18</sub> N <sub>2</sub> O <sub>2</sub>	1769-41-1	Lexan polycarbonate	C <sub>8</sub> H <sub>16</sub> N <sub>2</sub> O <sub>3</sub>	615-82-
Isooctane	C <sub>8</sub> H <sub>18</sub>	540-84-1	Limonene	(C <sub>16</sub> H <sub>14</sub> O <sub>3</sub> ) <sub>n</sub>	24936-68-
Isooctyl alcohol	C <sub>8</sub> H <sub>18</sub> O	26952-21-6	Linalool	C <sub>10</sub> H <sub>16</sub>	138-86-
Isopentane	C <sub>5</sub> H <sub>12</sub>	78-78-4	Lindane	C <sub>10</sub> H <sub>10</sub> O	78-70-
Isophthalic acid	C <sub>8</sub> H <sub>6</sub> O <sub>4</sub>	88-99-3	Lithium acetate	C <sub>6</sub> H <sub>6</sub> Cl <sub>6</sub>	58-89-
Isophthalyl dichloride	C <sub>8</sub> H <sub>4</sub> Cl <sub>2</sub> O <sub>2</sub>	99-63-8	Lithium acetate dihydrate	C <sub>2</sub> H <sub>3</sub> LiO <sub>2</sub>	546-89-
Isophytol	C <sub>20</sub> H <sub>38</sub> O	60046-87-9	Lithium butyrate	C <sub>2</sub> H <sub>3</sub> LiO <sub>2</sub> ·2H <sub>2</sub> O	6108-17-
Isoprene	C <sub>5</sub> H <sub>8</sub>	78-79-5	Lithium formate	C <sub>4</sub> H <sub>7</sub> LiO <sub>2</sub>	21303-03-
2-Isopropoxyethanol	C <sub>5</sub> H <sub>12</sub> O <sub>2</sub>	2167-39-7	Lithium heptanoate	CHLiO <sub>2</sub>	556-63-
N-Isopropylacetamide	C <sub>5</sub> H <sub>11</sub> NO	1118-69-0	Lithium <i>n</i> -hexanoate	C <sub>7</sub> H <sub>13</sub> LiO <sub>2</sub>	16761-13-
Isopropyl acetate	C <sub>5</sub> H <sub>10</sub> O <sub>2</sub>	108-21-4	Lithium 2-methylpropanoate	C <sub>6</sub> H <sub>11</sub> LiO <sub>2</sub>	16577-51-
Isopropyl alcohol	C <sub>3</sub> H <sub>8</sub> O	67-63-0	Lithium <i>n</i> -pentanoate	C <sub>4</sub> H <sub>7</sub> LiO <sub>2</sub>	25179-23-
Isopropylamine	C <sub>3</sub> H <sub>8</sub> N	75-31-0	Lithium propionate	C <sub>3</sub> H <sub>9</sub> LiO <sub>2</sub>	38869-19-
Isopropylamine nitrate	C <sub>3</sub> H <sub>10</sub> N <sub>2</sub> O <sub>3</sub>	87478-71-5	Lutetium ethylsulfate	C <sub>3</sub> H <sub>5</sub> LiO <sub>2</sub>	6531-45-
Isopropylbenzene	C <sub>9</sub> H <sub>12</sub>	98-82-8	2,3-Lutidine	C <sub>6</sub> H <sub>15</sub> LuO <sub>12</sub> S <sub>3</sub> ·9H <sub>2</sub> O	unavailab
Isopropylbicyclohexyl	C <sub>15</sub> H <sub>28</sub>	unavailable		C <sub>7</sub> H <sub>9</sub> N	583-61-
2-Isopropylbicyclohexyl	C <sub>15</sub> H <sub>28</sub>	66374-73-0	Magnesium acetate	C <sub>4</sub> H <sub>6</sub> O <sub>4</sub> Mg	142-72-
Isopropylbiphenyl	C <sub>15</sub> H <sub>16</sub>	7116-95-2	Magnesium diacetate tetrahydrate	C <sub>4</sub> H <sub>6</sub> O <sub>4</sub> Mg·4H <sub>2</sub> O	16674-78-
<i>p</i> -Isopropylbiphenyl	C <sub>15</sub> H <sub>16</sub>	7116-95-2	Magnesium diethanoate tetrahydrate	C <sub>4</sub> H <sub>6</sub> O <sub>4</sub> Mg·4H <sub>2</sub> O	16674-78-
Isopropyl bromide	C <sub>3</sub> H <sub>9</sub> Br	75-26-3	Maleic acid	C <sub>4</sub> H <sub>4</sub> O <sub>4</sub>	110-16-
Isopropyl cyanide	C <sub>4</sub> H <sub>7</sub> N	78-82-0	Maleic anhydride	C <sub>4</sub> H <sub>2</sub> O <sub>3</sub>	108-31-
Isopropyldecalin	C <sub>13</sub> H <sub>24</sub>	27193-29-9	Malic acid(DL)	C <sub>3</sub> H <sub>6</sub> N <sub>2</sub> O <sub>2</sub>	108-13-
$\alpha$ -Isopropyldecalin	C <sub>13</sub> H <sub>24</sub>	1010-74-8	Malonamide	C <sub>3</sub> H <sub>4</sub> O <sub>4</sub>	141-82-
Isopropyl ether	C <sub>5</sub> H <sub>14</sub> O	108-20-3	Malonic acid	C <sub>3</sub> D <sub>4</sub> O <sub>4</sub>	813-56-
Isopropylhydroindan	C <sub>12</sub> H <sub>22</sub>	unavailable	Malonic acid-d <sub>4</sub>	C <sub>3</sub> H <sub>8</sub> O <sub>4</sub>	108-59-
Isopropyl iodide	C <sub>3</sub> H <sub>7</sub> I	75-30-9	Malonic acid dimethyl ester	C <sub>3</sub> H <sub>2</sub> N <sub>2</sub>	109-77-
Isopropyl mercaptan	C <sub>3</sub> H <sub>8</sub> S	75-33-2	Malononitrile	C <sub>12</sub> H <sub>22</sub> O <sub>11</sub>	69-79-
1-Isopropyl-4-methylbenzene	C <sub>10</sub> H <sub>14</sub>	99-87-6	Maltose	C <sub>3</sub> H <sub>8</sub> O <sub>3</sub>	90-64-
Isopropyl methyl ketone	C <sub>5</sub> H <sub>10</sub> O	563-80-4	Mandelic acid		
Isopropyl methyl sulfide	C <sub>4</sub> H <sub>10</sub> S	1551-21-9	Manganese squarate		
Isopropyl nitrate	C <sub>3</sub> H <sub>7</sub> NO <sub>3</sub>	1712-64-7	clathrate	C <sub>13.5</sub> H <sub>15</sub> O <sub>19.5</sub> Mn·0.19H <sub>2</sub> O	129828-88-
Isopropylurea	C <sub>4</sub> H <sub>10</sub> N <sub>2</sub> O	691-60-1	Manganocene	C <sub>10</sub> H <sub>10</sub> Mn	73138-26-
Isoquinoline	C <sub>9</sub> H <sub>7</sub> N	119-65-3	Mannitol	C <sub>6</sub> H <sub>14</sub> O <sub>6</sub>	69-65-
Isovaleric acid	C <sub>5</sub> H <sub>10</sub> O <sub>2</sub>	503-74-2	Mannitol(D)	C <sub>6</sub> H <sub>14</sub> O <sub>6</sub>	69-65-
Isoxazole	C <sub>3</sub> H <sub>3</sub> NO	288-14-2	Mannose	C <sub>6</sub> H <sub>12</sub> O <sub>6</sub>	3458-28-
<b>L</b>					
Lactic acid(D)	C <sub>3</sub> H <sub>6</sub> O <sub>3</sub>	10326-41-7	Mannose(D)	C <sub>6</sub> H <sub>12</sub> O <sub>6</sub>	3458-28-
Lactic acid(DL)	C <sub>3</sub> H <sub>6</sub> O <sub>3</sub>	50-21-5	Manxane	C <sub>11</sub> H <sub>20</sub>	29415-95-
Lactic acid(L)	C <sub>3</sub> H <sub>6</sub> O <sub>3</sub>	79-33-4	Marlex 50 polymer	(CH <sub>2</sub> ) <sub>n</sub>	9002-88-
Lactide(DL)	C <sub>6</sub> H <sub>8</sub> O <sub>4</sub>	615-95-2	Melamine	C <sub>3</sub> H <sub>6</sub> N <sub>6</sub>	108-78-
Lactose	C <sub>12</sub> H <sub>22</sub> O <sub>11</sub>	63-42-3	Mercuric caprate	C <sub>20</sub> H <sub>38</sub> HgO <sub>4</sub>	27394-49-
$\beta$ -Lactose	C <sub>12</sub> H <sub>22</sub> O <sub>11</sub>	5965-66-2	Mercuric caprylate	C <sub>16</sub> H <sub>30</sub> HgO <sub>4</sub>	28043-54-
$\alpha$ -Lactose monohydrate	C <sub>12</sub> H <sub>22</sub> O <sub>11</sub> ·H <sub>2</sub> O	5989-81-1	Mercuric decanoate	C <sub>20</sub> H <sub>38</sub> HgO <sub>4</sub>	27394-49-
$\beta$ -Lactose monohydrate	C <sub>12</sub> H <sub>22</sub> O <sub>11</sub> ·H <sub>2</sub> O	5989-81-1	Mercuric dodecanoate	C <sub>24</sub> H <sub>46</sub> HgO <sub>4</sub>	23186-25-
Lanthanum isothiocyanate heptahydrate	C <sub>3</sub> LaN <sub>3</sub> S <sub>3</sub> ·7H <sub>2</sub> O	113614-87-2	Mercuric hexadecanoate	C <sub>32</sub> H <sub>64</sub> HgO <sub>4</sub>	16888-60-
Latex	(C <sub>5</sub> H <sub>8</sub> ) <sub>n</sub>	9016-00-6	Mercuric laurate	C <sub>24</sub> H <sub>46</sub> HgO <sub>4</sub>	23186-25-
Lauric acid	C <sub>12</sub> H <sub>24</sub> O <sub>2</sub>	143-07-7	Mercuric myristate	C <sub>28</sub> H <sub>54</sub> HgO <sub>4</sub>	36215-49-
			Mercuric octadecanoate	C <sub>36</sub> H <sub>70</sub> HgO <sub>4</sub>	645-99-
			Mercuric octanoate	C <sub>16</sub> H <sub>30</sub> HgO <sub>4</sub>	28043-54-

Mercuric palmitate	$C_{31}H_{64}HgO_4$	16888-60-1	Methylammonium triiodoplumbate(II)	$CH_6I_3NPb$	69507-98-8
Mercuric stearate	$C_{36}H_{70}HgO_4$	645-99-8	2-Methylaniline	$C_7H_9N$	95-53-4
Mercuric tetradecanoate	$C_{28}H_{54}HgO_4$	36215-49-3	3-Methylaniline	$C_7H_9N$	108-44-1
Mercury diphenyl	$C_{12}H_{10}Hg$	587-85-9	4-Methylaniline	$C_7H_9N$	106-49-0
Mercury di( <i>p</i> -tolyl)	$C_{14}H_{14}Hg$	537-64-4	N-Methylaniline	$C_7H_9N$	100-61-8
Mesitol	$C_9H_{12}O$	527-60-6	Methyl behenate	$C_{23}H_{46}O_2$	929-77-1
Mesitylene	$C_9H_{12}$	108-67-8	Methyl benzoate	$C_8H_8O_2$	93-58-3
Mesityl oxide	$C_6H_{10}O$	141-79-7	2-Methylbenzoic acid	$C_8H_8O_2$	118-90-1
2,2-Metacyclophane	$C_{16}H_{16}$	2319-27-3	3-Methylbenzoic acid	$C_8H_8O_2$	99-04-7
Methacrylamide	$C_4H_7NO$	79-39-0	4-Methylbenzoic acid	$C_8H_8O_2$	99-94-5
Methacrylic acid	$C_4H_6O_2$	79-41-4	Methylbicyclo[1.1.0]butane-1-carboxylate	$C_6H_8O_2$	4935-01-7
Methacrylonitrile	$C_4H_5N$	126-98-7	2-Methylbicyclo[2.2.1]heptane( <i>exo</i> )	$C_8H_{14}$	872-78-6
<i>p</i> -Methacryloyloxybenzoic acid	$C_{11}H_{10}O_4$	15721-10-5	2-Methylbicyclo[2.2.1]heptane( <i>endo</i> )	$C_8H_{14}$	765-90-2
Methanamide	$CH_3NO$	75-12-7	2-Methylbicyclohexyl	$C_{13}H_{24}$	66324-47-8
Methane	$CH_4$	74-82-8	2-Methylbicyclohexylmethane	$C_{14}H_{26}$	66826-96-8
Methanethiol	$CH_4S$	74-15-0	Methyl bromide	$CH_3Br$	74-83-9
Methanetricarboxylic acid triethyl ester	$C_{10}H_{16}O_6$	6279-86-3	3-Methyl-1,2-butadiene	$C_5H_8$	598-25-4
Methanoic acid	$CH_2O_2$	64-18-6	2-Methyl-1,3-butadiene	$C_5H_8$	78-79-5
Methanol	$CH_4O$	67-56-1	N-Methylbutanamide	$C_5H_{11}NO$	17794-44-4
Methanol- <i>d</i> <sub>1</sub>	$CH_3DO$	1455-13-6	2-Methylbutane	$C_5H_{12}$	78-78-4
Methanol- <i>d</i> <sub>3</sub>	$CHD_3O$	1849-29-2	2-Methylbutanethiol	$C_5H_{12}S$	1679-09-0
Methanol- <i>d</i> <sub>4</sub>	$CD_4O$	811-98-3	3-Methyl-1-butanol	$C_5H_{12}S$	541-31-1
Methionine	$C_5H_{11}NO_2S$	59-51-8	3-Methyl-2-butanol	$C_5H_{12}S$	2084-18-6
Methionine(L)	$C_5H_{11}NO_2S$	63-68-3	3-Methylbutanoate	$C_3H_{10}O_2$	623-42-7
Methoxybenzene	$C_7H_8O$	100-66-3	3-Methylbutanoic acid	$C_3H_{10}O_2$	503-74-2
4-Methoxybenzoic acid	$C_8H_8O_3$	100-09-4	2-Methylbutanoic acid ethyl ester	$C_7H_{14}O_2$	7452-79-1
$\alpha$ -Methoxybenzyl cyanide	$C_9H_9NO$	13031-13-5	2-Methylbutanol	$C_5H_{12}O$	75-85-4
N-(4-Methoxybenzylidene)- <i>p</i> -n-butylaniline	$C_{18}H_{21}NO$	26227-73-6	3-Methyl-1-butanol	$C_5H_{12}O$	123-51-3
4-Methoxy-4'-butoxy-trans-stilbene	$C_{19}H_{22}O_2$	35135-42-3	3-Methyl-2-butanol	$C_5H_{12}O$	598-75-4
4-Methoxy-4'-dodecoxy-trans-stilbene	$C_{27}H_{38}O_2$	35135-49-0	3-Methyl-2-butanol	$C_5H_{10}O$	563-80-4
2-Methoxyethanol	$C_3H_8O_2$	109-86-4	3-Methyl-2-butane	$C_5H_{10}$	563-46-2
2-Methoxyethanol acetate	$C_4H_{10}O_3$	110-49-6	2-Methyl-1-butene	$C_5H_{10}$	513-35-9
4-Methoxy-4'-heptoxy-trans-stilbene	$C_{22}H_{28}O_2$	35135-45-6	2-Methyl-2-butene	$C_5H_{10}$	563-45-1
4-Methoxy-4'-hexoxy-trans-stilbene	$C_{21}H_{26}O_2$	35135-44-5	3-Methyl-1-butene	$C_5H_{10}$	115-18-4
2-Methoxyisotrosoacetanilide	$C_9H_{10}N_2O_3$	6335-42-8	2-Methyl-3-butene-2-ol	$C_28H_{40}O_4$	74438-86-1
4-Methoxyisotrosoacetanilide	$C_9H_{10}N_2O_3$	6335-41-7	4-(2-Methylbutoxy)phenyl ester of 4- <i>n</i> -(decycloxybenzoic) acid (D)	$C_5H_{12}O$	628-28-4
Methoxymethane	$C_2H_6O$	115-10-6	Methyl <i>n</i> -butyl ether	$C_5H_{12}O$	1634-04-4
4-Methoxy-4'-octoxy-trans-stilbene	$C_{23}H_{30}O_2$	35135-46-7	Methyl <i>tert</i> -butyl ether	$C_6H_{12}O$	591-78-6
2-Methoxy-4'-pentoxy-trans-stilbene	$C_{20}H_{24}O_2$	35135-43-4	Methyl <i>n</i> -butyl ketone	$C_6H_{12}O$	75-97-8
2-Methoxy-1-propene	$C_4H_8O$	116-11-0	Methyl <i>tert</i> -butyl ketone	$C_5H_{12}S$	6163-64-0
3-Methoxypropionitrile	$C_4H_7NO$	110-67-8	Methyl <i>tert</i> -butyl sulfide	$C_3H_{10}O_2$	623-42-7
3-Methoxypyropylamine	$C_4H_{11}NO$	5332-73-0	Methyl butyrate	$C_{11}H_{22}O_2$	110-42-9
Methyl acetate	$C_3H_6O_2$	79-20-9	Methyl caproate	$C_2H_6NO_2$	598-55-0
Methyl acrylate	$C_4H_6O_2$	96-33-3	Methyl carbamate	$C_{13}H_{11}N$	1484-12-4
$\alpha$ -Methyl acrylic acid	$C_4H_6O_2$	79-41-4	Methyl chloroform	$CH_3Cl$	74-87-3
Methylal	$C_3H_8O_2$	109-87-5	Methyl cyanide	$C_2H_3NCl_3$	71-55-6
Methyl alcohol	$CH_4O$	67-56-1	Methyl cyclobutanecarboxylate	$C_6H_{10}O_2$	765-85-5
Methyl alcohol- <i>d</i> <sub>1</sub>	$CH_3DO$	1455-13-6	Methyl cyclohexane	$C_7H_{14}$	108-87-2
Methyl alcohol- <i>d</i> <sub>3</sub>	$CHD_3O$	1849-29-2	1-Methylcyclohexanol	$C_7H_{14}O$	590-67-0
Methyl alcohol- <i>d</i> <sub>4</sub>	$CD_4O$	811-98-3	2-Methylcyclohexanol	$C_7H_{14}O$	583-59-5
Methylamine	$CH_5N$	74-89-5	3-Methylcyclohexane	$C_7H_{14}O$	591-23-1
4-Methyl-7-aminocoumarin	$C_{10}H_{11}NO_2$	26093-31-2	4-Methylcyclohexane	$C_7H_{14}O$	589-91-3
2-Methyl-3-amino-4-methoxymethyl-5-aminomethylpyridine	$C_9H_{11}N_3O$	35623-09-7	3-Methylcyclohexanol	$C_7H_{14}O$	583-60-8
2-Methyl-1-aminopropane	$C_4H_11N$	78-81-9	4-Methylcyclohexanol	$C_7H_{14}O$	591-24-2
2-Methyl-2-aminopropane	$C_4H_{11}N$	75-64-9	2-Methylcyclohexanone	$C_7H_{12}O$	589-92-4
Methyl ammonium aluminum alum	$CH_6AlNO_8S_2 \cdot 12H_2O$	15243-18-2	4-Methylcyclohexanone	$C_7H_{12}$	591-47-9
Methylammonium bismuth bromide	$C_5H_{30}Bi_2Br_1N_5$	119931-90-7	Methylcyclopentane	$C_6H_{12}$	96-37-7
Methylammonium bromide	$CH_6BrN$	6876-37-5	1-Methylcyclopentene	$C_6H_{10}$	693-89-0
Methylammonium chloride	$CH_5ClN$	593-51-1	3-Methylcyclopentene	$C_6H_{10}$	1120-62-3
Methylammonium iodide	$CH_6IN$	14965-49-2	2-Methylcyclohexapentane	$C_5H_{10}S$	1795-09-1
Methylammonium iodide- <i>d</i> <sub>5</sub>	$CD_5IN$	14779-57-8	3-Methylcyclohexapentane	$C_5H_{10}S$	1795-09-1
Methylammonium tin bromide	$CH_6Br_3NSn$	67908-85-4	$\alpha$ -Methyldecalin	$C_{11}H_{20}$	2958-75-0
Methylammonium tribromoplumbate(II)	$CH_6Br_3NPb$	69276-13-7	$\beta$ -Methyldecalin	$C_{11}H_{20}$	2958-75-0
Methylammonium tribromostannane	$CH_6Br_3NSn$	67908-85-4	2-Methyldecanane	$C_{11}H_{24}$	6975-98-0
Methylammonium trichloroplumbate(II)	$CH_6Cl_3NPb$	69276-12-6	Methyldecanoate	$C_{11}H_{22}O_2$	110-42-9
			Methyl <i>n</i> -decyl ether	$C_{11}H_{24}O$	7289-52-3
			4-Methyl-7-diethylaminocoumarin	$C_{14}H_{17}NO_2$	91-44-1
			1-Methyl-2,4-diisocyanatobenzene	$C_9H_6N_2O_2$	584-84-9

4-Methyl-7-dimethylaminocoumarin	$C_{12}H_{13}NO_2$	87-01-4	Methyl nitroacetate	$C_3H_5NO_4$	2483-57-
Methyl 2,2-dimethylpropanoate	$C_6H_{12}O_2$	598-98-1	2-Methyl-3-nitro-4-methoxymethyl-5-cyano-6-chloropyridine	$C_9H_8ClN_3O_3$	719-48-
4-Methyl-3,5-dioxaheptane	$C_6H_{14}O_2$	105-57-7	2-Methyl-2-nitro-1,3-propanediol	$C_4H_9NO_4$	77-49-
6-Methyl-5,7-dioxaundecane	$C_{10}H_{22}O_2$	871-22-7	2-Methyl-2-nitro-1-propanol	$C_4H_9NO_3$	76-39-
4-Methyl-1,3-dioxolan-2-one	$C_5H_{10}O_3$	108-32-7	Methyl nonadecanoate	$C_{20}H_{40}O_2$	1731-94-
Methyldiphenylamine	$C_{13}H_{13}N$	552-82-9	2-Methylnonane	$C_{10}H_{22}$	871-83-
Methyl eicosanoate	$C_{21}H_{42}O_2$	1120-28-1	3-Methylnonane(DL)	$C_{10}H_{22}$	5911-04-
Methyl enanthoate	$C_8H_{16}O_2$	106-73-0	4-Methylnonane(DL)	$C_{10}H_{22}$	17301-94-
3,3'-Methylene bis(6-aminophenol)	$C_{13}H_{14}N_2O_2$	22428-30-4	5-Methylnonane	$C_{10}H_{22}$	15869-85-
Methylene bromide	$CH_2Br_2$	74-95-3	Methyl octadecanoate	$C_{19}H_{38}O_2$	112-61-
Methylenecyclobutane	$C_5H_8$	1120-56-5	Methyl octanoate	$C_9H_{18}O_2$	111-11-
3-Methylenecyclobutyl cyanide	$C_6H_7N$	15760-35-7	Methyl oeanthoate	$C_8H_{16}O_2$	106-73-
Methylenecyclohexane	$C_7H_{12}$	1192-37-6	5-Methyl-3-oxahex-1-ene	$C_6H_{12}O$	109-53-
Methylene dichloride	$CH_2Cl_2$	75-09-2	4-Methyl-3-oxa-1-pentanol	$C_5H_{12}O_2$	2167-39-
Methylene glycol acetate	$C_3H_6O_3$	628-51-3	2-Methyloxirane	$C_3H_6O$	75-56-
Methylene glycol diacetate	$C_3H_6O_3$	628-51-3	2-Methyl-3-oxo-propanenitrile	$C_4H_5NO$	26692-50-
Methylene iodide	$CH_2I_2$	75-11-6	Methyl palmitate	$C_{17}H_{34}O_2$	112-39-
Methyl ester of nitroacetic acid	$C_3H_5NO_4$	2483-57-0	N-Methylpentanamide	$C_6H_{11}NO$	6225-10-
Methyl ethanoate	$C_3H_6O_2$	79-20-9	2-Methylpentane	$C_6H_{14}$	107-83-
N-(1-Methylethyl)ethanamide	$C_3H_{11}NO$	1118-69-0	3-Methylpentane	$C_6H_{14}$	96-14-
1-Methylethyl ethanoate	$C_5H_{10}O_2$	108-21-4	Methyl pentanoate	$C_6H_{12}O_2$	624-24-
Methylethylethanalamine	$C_5H_{13}NO$	2893-43-8	2-Methyl-1-pentanol	$C_6H_{14}O$	105-30-
Methyl ethyl ketone	$C_4H_8O$	78-93-3	2-Methyl-2-pentanol	$C_6H_{14}O$	590-36-
Methyl ethyl ketoxime	$C_4H_6NO$	96-29-7	3-Methyl-2-pentanol	$C_6H_{14}O$	565-60-
N-Methylformamide	$C_2H_5NO$	123-39-7	3-Methyl-3-pentanol	$C_6H_{14}O$	77-74-
Methyl formate	$C_2H_4O_2$	107-31-3	4-Methyl-2-pentanol	$C_6H_{14}O$	108-11-
2-Methylfuran	$C_5H_6O$	534-22-5	4-Methyl-2-pentanone	$C_6H_{12}O$	108-10-
N-Methylglycine	$C_3H_7NO_2$	107-97-1	4-Methyl-3-penten-2-one	$C_6H_{10}O$	141-79-
2-Methylheptane	$C_8H_{18}$	592-27-8	Methyl N-perfluorobutanoate	$C_5H_3F_7O_2$	356-24-
3-Methylheptane	$C_8H_{18}$	111002-96-1	9-Methylperhydrofluorene	$C_{14}H_{34}$	unavailab
4-Methylheptane	$C_8H_{18}$	589-53-7	4-Methylphenanthrene	$C_{15}H_{12}$	832-64-
Methyl heptanoate	$C_8H_{16}O_2$	106-73-0	2-Methylphenol	$C_7H_8O$	95-48-
2-Methyl-1-heptanol	$C_8H_{18}O$	60435-70-3	3-Methylphenol	$C_7H_8O$	108-39-
2-Methyl-2-heptanol	$C_8H_{18}O$	625-25-2	4-Methylphenol	$C_7H_8O$	106-44-
2-Methyl-4-heptanol	$C_8H_{18}O$	21570-35-4	Methyl phenylcarbamate	$C_8H_9NO_2$	2603-10-
3-Methyl-2-heptanol	$C_8H_{18}O$	31367-46-1	Methyl phenyl ether	$C_7H_8O$	100-66-
4-Methyl-2-heptanol	$C_8H_{18}O$	56298-90-9	Methyl phenyl ketone	$C_8H_9S$	98-86-
4-Methyl-3-heptanol	$C_8H_{18}O$	14979-39-6	Methyl phenyl sulfide	$C_7H_8S$	100-68-
4-Methyl-4-heptanol	$C_8H_{18}O$	598-01-6	Methylphosphonyl chlorofluoride	$CH_3ClFOP$	753-71-
5-Methyl-1-heptanol	$C_8H_{18}O$	7212-53-5	Methylphosphonyl dichloride	$CH_3Cl_2OP$	676-83-
5-Methyl-2-heptanol	$C_8H_{18}O$	54630-50-1	Methylphosphonyl difluoride	$CH_3F_2OP$	676-99-
6-Methyl-2-heptanol	$C_8H_{18}O$	4730-22-7	2-Methylpiperidine	$C_6H_{13}N$	109-05-
6-Methyl-3-heptanol	$C_8H_{18}O$	18720-66-6	4-Methylpiperidine	$C_6H_{13}N$	626-58-
6-Methyl-5-hepten-2-one	$C_8H_{14}O$	110-93-0	N-Methylpiperidine	$C_6H_{12}O_2$	626-67-
Methyl hexadecanoate	$C_{17}H_{34}O_2$	112-39-0	Methyl pivalaté	$C_4H_9NO$	598-98-
3-Methylhexanal	$C_7H_{14}O$	19269-28-4	2-Methylpropanamide	$C_4H_9NO$	563-83-
2-Methylhexane	$C_7H_{16}$	591-76-4	N-Methylpropanamide	$C_4H_9NO$	1187-58-
3-Methylhexane	$C_7H_{16}$	589-34-4	2-Methylpropane	$C_4H_{10}$	75-28-
Methyl hexyl ketone	$C_8H_{16}O$	111-13-7	2-Methyl-1-propanethiol	$C_4H_{10}S$	513-44-
Methylhydrazine	$CH_6N_2$	60-34-4	2-Methyl-2-propanethiol	$C_4H_{10}S$	75-66-
Methylhydroindan	$C_{10}H_{18}$	unavailable	2-Methyl-2-propanethiol	$C_4H_8O_2$	554-12-
4-Methyl-7-hydroxycoumarin	$C_{10}H_8O_3$	90-33-5	Methyl propanoate	$C_3H_8O_2$	79-31-
2-Methyl-3-hydroxy-4,5-dihydroxymethylpyridine	$C_8H_{11}NO_3$	65-23-6	2-Methylpropanoic acid	$C_4H_{10}O$	78-83-
2-Methyl-3-hydroxy-4-methoxymethyl-5-hydroxymethylpyridine	$C_9H_{13}NO_3$	1464-33-1	2-Methyl-1-propanol	$C_4H_{10}O$	75-65-
2-Methylimidazole	$C_4H_6N_2$	693-98-1	2-Methyl-2-propanol	$C_4H_7ClO$	79-30-
Methyl iodide	$CH_3I$	74-88-9	2-Methylpropene	$C_4H_8$	115-11-
Methyl isopropyl ether	$C_4H_{10}O$	598-53-8	2-Methylpropenonitrile	$C_4H_8N$	126-98-
1-Methyl-7-isopropylphenanthrene	$C_{18}H_{38}$	483-65-8	Methyl propenoate	$C_4H_6O_2$	96-33-
Methylmalonic acid dimethyl ester	$C_6H_{10}O_4$	609-02-9	Methyl propionate	$C_4H_8O_2$	554-12-
Methyl mercaptan	$CH_4S$	74-93-1	2-Methylpropionitrile	$C_4H_7N$	78-82-
Methyl methacrylate	$C_5H_8O_2$	80-62-6	N-(2-Methyl-2-propyl)ethanamide	$C_6H_11NO$	1540-94-
N-Methylmethanamide	$C_2H_5NO$	123-39-7	2-Methyl-1-propyl ethanoate	$C_6H_{12}O_2$	110-19-
Methyl methanoate	$C_2H_4O_2$	107-31-3	2-Methyl-2-propyl ethanoate	$C_6H_{12}O_2$	540-88-
Methyl 2-methylpropenoate	$C_5H_8O_2$	80-62-6	Methyl n-propyl ether	$C_4H_{10}$	557-17-
Methyl myristate	$C_{15}H_{30}O_2$	124-10-7	2-Methylpropyl methanoate	$C_5H_{10}O_2$	542-55-
1-Methylnaphthalene	$C_{11}H_{10}$	90-12-0	Methyl n-propyl sulfide	$C_4H_{10}S$	3877-15-
2-Methylnaphthalene	$C_{11}H_{10}$	91-57-6	2-Methylpyridine	$C_6H_7N$	109-06-
Methyl nitrate	$CH_3NO_3$	598-58-3	3-Methylpyridine	$C_6H_7N$	108-99-
			4-Methylpyridine	$C_6H_7N$	108-89-
			N-Methylpyrrole	$C_5H_7N$	96-54-

1-Methylpyrrolidine	C <sub>5</sub> H <sub>11</sub> N	120-94-5	adduct	C <sub>16</sub> H <sub>8</sub> N <sub>4</sub>	1223-66-1
3-Methylpyrrolidine	C <sub>5</sub> H <sub>11</sub> N	34375-89-8	Naphthalene-1,3,5-trinitrobenzene	C <sub>16</sub> H <sub>11</sub> N <sub>3</sub> O <sub>6</sub>	1787-27-5
1-Methyl-2-pyrrolidone	C <sub>5</sub> H <sub>9</sub> NO	872-50-4	adduct	C <sub>10</sub> H <sub>8</sub> O	90-15-3
Methyl salicylate	C <sub>8</sub> H <sub>8</sub> O <sub>3</sub>	119-36-8	α-Naphthol	C <sub>10</sub> H <sub>8</sub> O	135-19-3
Methyl silicate	C <sub>4</sub> H <sub>11</sub> O <sub>4</sub> Si	681-84-5	β-Naphthol	C <sub>10</sub> H <sub>9</sub> N	91-59-8
Methyl stearate	C <sub>19</sub> H <sub>38</sub> O <sub>2</sub>	112-61-8	β-Naphthylamine	C <sub>46</sub> H <sub>47</sub> N <sub>7</sub> O <sub>2</sub>	unavailable
α-Methylstyrene	C <sub>9</sub> H <sub>10</sub>	98-83-9	β-Naphthylamine- <i>p</i> -nitrosodimethylaniline complex	C <sub>12</sub> H <sub>6</sub> N <sub>2</sub> O <sub>2</sub>	3173-72-6
2-Methylsuccinic acid	C <sub>5</sub> H <sub>8</sub> O <sub>4</sub>	498-21-5	1,5-Naphthylenebisocyanate	C <sub>18</sub> H <sub>34</sub> O <sub>3</sub>	141-22-0
Methyl tetradecanoate	C <sub>15</sub> H <sub>30</sub> O <sub>2</sub>	124-10-7	Natural ricinoleic acid	(C <sub>5</sub> H <sub>8</sub> ) <sub>n</sub>	9003-31-0
3-Methyltetrahydrophthalic anhydride	C <sub>8</sub> H <sub>10</sub> O <sub>3</sub>	5333-84-6	Natural Rubber		
N-Methyl-2,4,6,N-tetranitroaniline	C <sub>7</sub> H <sub>5</sub> N <sub>2</sub> O <sub>8</sub>	479-45-8	Neodymium isothiocyanate	C <sub>3</sub> N <sub>3</sub> NdS <sub>3</sub> ·7H <sub>2</sub> O	113614-85-0
Methyltetryl	C <sub>8</sub> H <sub>7</sub> N <sub>5</sub> O <sub>8</sub>	43072-20-4	heptahydrate	C <sub>5</sub> H <sub>12</sub>	463-82-1
3-Methyl-2-thiabutane	C <sub>4</sub> H <sub>10</sub> S	1551-21-9	Neopentane	C <sub>10</sub> H <sub>10</sub> Ni	1271-28-9
2-Methylthiacyclopentane	C <sub>5</sub> H <sub>10</sub> S	1795-09-1	Nickelocene		
3-Methylthiacyclopentane	C <sub>5</sub> H <sub>10</sub> S	4740-00-5	Nicotinamide adenine		
2-Methylthiazole	C <sub>4</sub> H <sub>5</sub> NS	3581-87-1	dinucleotide trihydrate	C <sub>21</sub> H <sub>27</sub> N <sub>7</sub> O <sub>14</sub> P <sub>2</sub> ·3H <sub>2</sub> O	54-84-9
2-Methylthiolane	C <sub>5</sub> H <sub>10</sub> S	1795-09-1	Nicotinic acid	C <sub>6</sub> H <sub>5</sub> NO <sub>2</sub>	59-67-6
3-Methylthiolane	C <sub>5</sub> H <sub>10</sub> S	4740-00-5	Niflumic acid	C <sub>13</sub> H <sub>8</sub> F <sub>3</sub> N <sub>2</sub> O <sub>2</sub>	4394-00-7
2-Methylthiophene	C <sub>5</sub> H <sub>6</sub> S	554-14-3	<i>p</i> -Nitroacetanilide	C <sub>8</sub> H <sub>9</sub> N <sub>2</sub> O <sub>3</sub>	104-04-1
Methyl trichlorothioacrylate	C <sub>4</sub> H <sub>5</sub> Cl <sub>3</sub> OS	76619-91-5	3-Nitro-4-aminotoluene	C <sub>7</sub> H <sub>8</sub> N <sub>2</sub> O <sub>2</sub>	89-62-3
Methyltriphenylarsonium bis[7,7,8,8-tetracyanoquino-dimethanide]	C <sub>4</sub> H <sub>7</sub> <sub>6</sub> AsN <sub>R</sub>	1284-18-0	5-Nitro-2-aminotoluene	C <sub>7</sub> H <sub>8</sub> N <sub>2</sub> O <sub>2</sub>	99-52-5
Methyltriphenylphosphonium bis(7,7,8,8-tetracyano-quinodimethanide)	C <sub>43</sub> H <sub>26</sub> N <sub>8</sub> P	11133-40-7	2-Nitroaniline	C <sub>6</sub> H <sub>6</sub> N <sub>2</sub> O <sub>2</sub>	88-74-4
Methylurea	C <sub>2</sub> H <sub>6</sub> N <sub>2</sub> O	598-50-5	3-Nitroaniline	C <sub>6</sub> H <sub>6</sub> N <sub>2</sub> O <sub>2</sub>	99-09-2
N-Methylvaleramide	C <sub>6</sub> H <sub>13</sub> NO	6225-10-1	4-Nitroaniline	C <sub>6</sub> H <sub>6</sub> N <sub>2</sub> O <sub>2</sub>	100-01-6
Methyl valerate	C <sub>6</sub> H <sub>12</sub> O <sub>2</sub>	624-24-8	4-Nitroanisole	C <sub>7</sub> H <sub>7</sub> NO <sub>3</sub>	100-17-4
4-Methoxy-4'-heptanoylazobenzene	C <sub>20</sub> H <sub>24</sub> N <sub>2</sub> O <sub>3</sub>	97402-83-0	4-Nitroanisole	C <sub>7</sub> H <sub>7</sub> NO <sub>3</sub>	100-17-4
Milk sugar	C <sub>12</sub> H <sub>22</sub> O <sub>11</sub>	63-42-3	2-Nitroaniline	C <sub>2</sub> H <sub>5</sub> NO <sub>2</sub>	98-95-3
Mixed valence iron oxo-centered complex with acetate and 3-methyl pyridine	C <sub>36</sub> H <sub>46</sub> Fe <sub>3</sub> N <sub>4</sub> O <sub>13</sub>	105943-92-8	3-Nitroaniline	C <sub>7</sub> H <sub>5</sub> NO <sub>4</sub>	552-16-9
1-Monobenzoylglycerol	C <sub>10</sub> H <sub>12</sub> O <sub>4</sub>	3376-59-8	4-Nitrobenzoic acid	C <sub>7</sub> H <sub>5</sub> NO <sub>4</sub>	121-92-6
2-Monobenzoylglycerol	C <sub>10</sub> H <sub>12</sub> O <sub>4</sub>	26699-73-0	4-Nitrocinnamic acid	C <sub>6</sub> H <sub>5</sub> NO <sub>4</sub>	62-23-7
Monobutylurea	C <sub>5</sub> H <sub>12</sub> N <sub>2</sub> O	592-31-4	<i>o</i> -Nitrocinnamic acid	C <sub>6</sub> H <sub>4</sub> CINO <sub>2</sub>	100-00-5
Mon- <i>tert</i> -butylurea	C <sub>5</sub> H <sub>12</sub> N <sub>2</sub> O	1118-12-3	<i>p</i> -Nitrocinnamic acid	C <sub>9</sub> H <sub>7</sub> NO <sub>4</sub>	555-68-0
1-Monocaprin	C <sub>13</sub> H <sub>26</sub> O <sub>4</sub>	2277-23-8	Nitroethane	C <sub>9</sub> H <sub>7</sub> NO <sub>4</sub>	612-41-9
Monochloroacetic acid	C <sub>2</sub> H <sub>3</sub> ClO <sub>2</sub>	79-11-8	4-Nitroethoxybenzene	C <sub>9</sub> H <sub>7</sub> NO <sub>4</sub>	619-89-6
Monoethylurea	C <sub>3</sub> H <sub>8</sub> N <sub>2</sub> O	625-52-5	<i>p</i> -Nitroethoxybenzene	C <sub>2</sub> H <sub>5</sub> NO <sub>2</sub>	79-24-3
Monoisopropylurea	C <sub>4</sub> H <sub>9</sub> N <sub>2</sub> O	691-60-1	Nitroguanidine	C <sub>8</sub> H <sub>9</sub> NO <sub>3</sub>	100-29-8
1-Monolaurin	C <sub>15</sub> H <sub>30</sub> O <sub>4</sub>	142-18-7	Nitromethane	C <sub>8</sub> H <sub>9</sub> NO <sub>3</sub>	100-29-8
2-Monolaurin	C <sub>15</sub> H <sub>30</sub> O <sub>4</sub>	1678-45-1	4-Nitromethoxybenzene	CH <sub>3</sub> N <sub>2</sub> O <sub>2</sub>	556-88-7
Monomethylurea	C <sub>2</sub> H <sub>6</sub> N <sub>2</sub> O	598-50-5	4-Nitrophenetole	CH <sub>3</sub> NO <sub>2</sub>	75-52-5
1-Monomyristin	C <sub>17</sub> H <sub>34</sub> O <sub>4</sub>	589-68-4	<i>p</i> -Nitrophenetole	C <sub>2</sub> H <sub>5</sub> NO <sub>2</sub>	100-17-4
2-Monomyristin	C <sub>17</sub> H <sub>34</sub> O <sub>4</sub>	27214-38-6	2-Nitrophenol	C <sub>8</sub> H <sub>9</sub> NO <sub>3</sub>	100-29-8
1-Monopalmitin	C <sub>19</sub> H <sub>38</sub> O <sub>4</sub>	542-44-9	3-Nitrophenol	C <sub>8</sub> H <sub>9</sub> NO <sub>3</sub>	100-29-8
2-Monopalmitin	C <sub>19</sub> H <sub>38</sub> O <sub>4</sub>	23470-00-0	4-Nitrophenol	C <sub>6</sub> H <sub>5</sub> NO <sub>3</sub>	88 75 5
Monophenylurea	C <sub>7</sub> H <sub>8</sub> N <sub>2</sub> O	64-10-8	4-Nitrophenyl-4'- <i>n</i> -octyloxybenzoate	C <sub>6</sub> H <sub>5</sub> NO <sub>3</sub>	554-84-7
Monopropylurea	C <sub>4</sub> H <sub>10</sub> N <sub>2</sub> O	627-06-5	<i>p</i> -Nitrosodimethylaniline	C <sub>21</sub> H <sub>25</sub> NO <sub>5</sub>	100-02-7
1-Monestarin	C <sub>21</sub> H <sub>42</sub> O <sub>4</sub>	123-94-4	<i>p</i> -Nitrosodimethylaniline-β-naphthylamine complex	C <sub>8</sub> H <sub>10</sub> N <sub>2</sub> O	52910-78-8
2-Monestarin	C <sub>21</sub> H <sub>42</sub> O <sub>4</sub>	621-61-4	2-Nitrotoluene		
Morniflumate	C <sub>19</sub> H <sub>20</sub> F <sub>3</sub> N <sub>3</sub> O <sub>3</sub>	65847-85-0	3-Nitrotoluene	C <sub>46</sub> H <sub>47</sub> N <sub>7</sub> O <sub>2</sub>	unavailable
Morpholine	C <sub>4</sub> H <sub>9</sub> NO	110-91-8	4-Nitrotoluene	C <sub>7</sub> H <sub>7</sub> NO <sub>2</sub>	88-72-2
Murexide	C <sub>6</sub> H <sub>8</sub> N <sub>6</sub> O <sub>6</sub>	3051-09-0	3-Nitro-1,2,4-triazol-5-one	C <sub>7</sub> H <sub>7</sub> NO <sub>2</sub>	99-08-1
Myristic acid	C <sub>14</sub> H <sub>28</sub> O <sub>2</sub>	544-63-8	<i>n</i> -Nonacosane	C <sub>2</sub> H <sub>5</sub> N <sub>2</sub> O <sub>3</sub>	99-99-0
<b>N</b>					
NAD	C <sub>21</sub> H <sub>27</sub> N <sub>7</sub> O <sub>14</sub> P <sub>2</sub> ·3H <sub>2</sub> O	53-84-9	Nonadecacarbonyl diiron	C <sub>2</sub> H <sub>5</sub> N <sub>2</sub> O <sub>3</sub>	932-64-9
Naphthacene	C <sub>18</sub> H <sub>12</sub>	92-24-0	<i>n</i> -Nonadecane	C <sub>29</sub> H <sub>60</sub>	630-03-5
Naphthalene	C <sub>10</sub> H <sub>8</sub>	91-20-3	Nonadecanoic acid	C <sub>9</sub> Fe <sub>2</sub> O <sub>9</sub>	15321-51-4
Naphthalene-2,6-dicarboxylic acid	C <sub>12</sub> H <sub>8</sub> O <sub>4</sub>	1141-38-4	Nonanal	C <sub>9</sub> H <sub>40</sub>	629-92-5
Naphthalene-2,6-dicarboxylic acid dimethyl ester	C <sub>14</sub> H <sub>12</sub> O <sub>4</sub>	840-65-3	<i>n</i> -Nonane	C <sub>19</sub> H <sub>38</sub> O <sub>2</sub>	646-30-0
2,3-Naphthalenediol	C <sub>10</sub> H <sub>8</sub> O <sub>2</sub>	92-44-4	Nonanoic acid	C <sub>9</sub> H <sub>18</sub> O	124-19-6
Naphthalene-1,8-disulfide-S-oxide	C <sub>10</sub> H <sub>6</sub> OS <sub>2</sub>	49833-12-7	1-Nonanol	C <sub>9</sub> H <sub>20</sub> O	143-08-8
Naphthalene picric acid	C <sub>16</sub> H <sub>11</sub> N <sub>3</sub> O <sub>7</sub>	29972-02-9	5-Nonanone	C <sub>9</sub> H <sub>18</sub> O <sub>2</sub>	111-84-2
Naphthalene-pyromellitic dianhydride adduct	C <sub>20</sub> H <sub>16</sub> O <sub>6</sub>	3470-19-7	1-Nonene	C <sub>9</sub> H <sub>18</sub> O	112-05-0
Naphthalene-1,2,4,5-tetracyanobenzene	C <sub>20</sub> H <sub>10</sub> N <sub>4</sub>	740-98-7	Nonyl acrylate	C <sub>9</sub> H <sub>18</sub> O	502-56-7
Naphthalene-tetracyanoethylene			<i>n</i> -Nonyl alcohol	C <sub>12</sub> H <sub>22</sub> O <sub>2</sub>	124-11-8
			4- <i>n</i> -Nonyl bicyclohexyl	C <sub>9</sub> H <sub>20</sub> O	2664-55-3
			4-Nonyl-4'-cyanobiphenyl	C <sub>21</sub> H <sub>40</sub>	143-08-8
			Nonyl methacrylate	C <sub>22</sub> H <sub>27</sub> N	95135-87-8
			Nonyl N-phenylcarbamate	C <sub>13</sub> H <sub>24</sub> O <sub>2</sub>	52709-85-0
			4- <i>n</i> -Nonyltercyclohexyl	C <sub>16</sub> H <sub>25</sub> NO <sub>2</sub>	2696-43-7
				C <sub>27</sub> H <sub>50</sub>	33689-71-3
					unavailable

Norbornadiene	C <sub>7</sub> H <sub>8</sub>	121-46-0	Octa(vinylsilasesquioxane)	C <sub>16</sub> H <sub>24</sub> O <sub>12</sub> Si <sub>8</sub>	69655-76-1
Norbornane	C <sub>7</sub> H <sub>12</sub>	279-23-2	1-Octene	C <sub>8</sub> H <sub>16</sub>	111-66-0
Norbornene	C <sub>7</sub> H <sub>10</sub>	498-66-8	2-Octene	C <sub>8</sub> H <sub>16</sub>	111-67-1
1-Norbornyl cyanide	C <sub>8</sub> H <sub>11</sub> N	103434-09-9	Octogen	C <sub>4</sub> H <sub>8</sub> N <sub>2</sub> O <sub>8</sub>	2691-41-0
1-Norbornyl isonitrile	C <sub>8</sub> H <sub>11</sub> N	88523-51-7	Octogen(α)	C <sub>4</sub> H <sub>8</sub> N <sub>2</sub> O <sub>8</sub>	2691-41-0
Norcarnane	C <sub>7</sub> H <sub>12</sub>	286-08-8	Octogen(β)	C <sub>4</sub> H <sub>8</sub> N <sub>2</sub> O <sub>8</sub>	2691-41-0
Nordazepam	C <sub>15</sub> H <sub>11</sub> ClN <sub>2</sub> O	1088-11-5	Octogen(δ)	C <sub>4</sub> H <sub>8</sub> N <sub>2</sub> O <sub>8</sub>	2691-41-0
Norethindrone	C <sub>20</sub> H <sub>26</sub> O <sub>2</sub>	68-22-4	Octogen(γ)	C <sub>8</sub> H <sub>18</sub> O	111-87-5
Norethindrone acetate	C <sub>22</sub> H <sub>28</sub> O <sub>3</sub>	51-98-9	n-Octyl alcohol	C <sub>8</sub> H <sub>19</sub> N	111-86-4
Norethindrone benzoate	C <sub>27</sub> H <sub>30</sub> O <sub>3</sub>	71203-39-9	n-Octylamine	C <sub>14</sub> H <sub>22</sub>	2189-60-8
Norethindrone biphenyl-4-carboxylate	C <sub>33</sub> H <sub>34</sub> O <sub>3</sub>	71203-40-2	n-Octylbenzene	C <sub>8</sub> H <sub>17</sub> Cl	111-85-3
Norethindrone <i>trans</i> -3-(4-butylcyclohexyl)propionate	C <sub>33</sub> H <sub>48</sub> O <sub>3</sub>	71203-38-8	4-Octyl-4'-cyanobiphenyl	C <sub>21</sub> H <sub>25</sub> N	52709-84-9
Norethindrone-6-(4-chlorophenyl)-hexanoate	C <sub>32</sub> H <sub>39</sub> ClO <sub>3</sub>	71203-42-4	4-Octyloxy-4'-heptyl-α-cyanostilbene	C <sub>30</sub> H <sub>41</sub> NO	66414-48-0
Norethindrone 4-cyclohexylbenzoate	C <sub>33</sub> H <sub>40</sub> O <sub>3</sub>	71203-41-3	n-Octyl mercaptan	C <sub>8</sub> H <sub>16</sub> S	111-88-6
Norethindrone dimethylpropionate	C <sub>25</sub> H <sub>34</sub> O <sub>3</sub>	65445-09-2	Octyl methacrylate	C <sub>12</sub> H <sub>22</sub> O <sub>2</sub>	688-84-6
Norethindrone heptanoate	C <sub>27</sub> H <sub>38</sub> O <sub>3</sub>	3836-23-5	Ocyloxycyanobiphenyl	C <sub>21</sub> H <sub>25</sub> NO	52709-84-9
Norethindrone <i>trans</i> -4-hexylcyclohexylcarboxylate	C <sub>33</sub> H <sub>48</sub> O <sub>3</sub>	71203-37-7	Oenanthal	C <sub>7</sub> H <sub>14</sub> O	111-71-7
Norethindrone pentamethyldisiloxyl ether	C <sub>25</sub> H <sub>40</sub> O <sub>3</sub> Si <sub>2</sub>	71203-43-5	Oleic acid	C <sub>18</sub> H <sub>34</sub> O <sub>2</sub>	112-80-1
Norleucine(DL)	C <sub>6</sub> H <sub>13</sub> NO <sub>2</sub>	616-06-8	Oligoethylene butylene glycol adipate	C <sub>12</sub> H <sub>22</sub> O <sub>6</sub>	26570-73-0
Norleucine(L)	C <sub>6</sub> I <sub>13</sub> NO <sub>2</sub>	327-57-1	Orcinol monohydrate	C <sub>7</sub> H <sub>8</sub> O <sub>2</sub> ·H <sub>2</sub> O	6153-39-5
Nortricyclene	C <sub>7</sub> H <sub>10</sub>	279-19-6	Ornithine(DL)	C <sub>5</sub> H <sub>12</sub> N <sub>2</sub> O <sub>2</sub>	616-07-9
Norvaline(L)	C <sub>5</sub> H <sub>11</sub> NO <sub>2</sub>	6600-40-4	Ornithine dihydrochloride	C <sub>5</sub> H <sub>14</sub> Cl <sub>2</sub> N <sub>2</sub> O <sub>2</sub>	16682-12-5
Nylon 6	(C <sub>6</sub> H <sub>11</sub> NO) <sub>n</sub>	25038-54-4	Orthoformic acid	CH <sub>4</sub> O <sub>3</sub>	unavailable
<b>O</b>					
n-Octacosane	C <sub>28</sub> H <sub>58</sub>	630-02-4	2-Oxahexane	C <sub>8</sub> H <sub>14</sub> O	283-27-2
n-Octadecane	C <sub>18</sub> H <sub>38</sub>	593-45-3	3-Oxahexane	C <sub>5</sub> H <sub>8</sub> O <sub>2</sub>	109-86-4
1-Octadecanethiol	C <sub>18</sub> H <sub>38</sub> S	2885-00-9	3-Oxa-1-hexanol	C <sub>11</sub> H <sub>24</sub> O	7289-52-3
Octadecanoic acid	C <sub>18</sub> H <sub>36</sub> O <sub>2</sub>	57-11-4	2-Oxadodecane	C <sub>6</sub> H <sub>14</sub> O	111-43-3
cis-ω-12, δ-6-Octadecenoic acid	C <sub>18</sub> H <sub>34</sub> O <sub>2</sub>	593-39-5	4-Oxaheptane	C <sub>6</sub> H <sub>14</sub> O <sub>2</sub>	111-76-2
1-Octadecanol	C <sub>18</sub> H <sub>38</sub> O	112-92-5	3-Oxa-1-heptanol	C <sub>6</sub> H <sub>12</sub> O	111-34-2
1-Octadecene-urea adduct	C <sub>24</sub> H <sub>64</sub> N <sub>2</sub> O <sub>2</sub>	38588-35-1	3-Oxahept-1-ene	C <sub>5</sub> H <sub>12</sub> O	628-28-4
cis-9-Octadecenoic acid	C <sub>18</sub> H <sub>34</sub> O <sub>2</sub>	112-80-1	2-Oxahexane	C <sub>5</sub> H <sub>12</sub> O	628-32-0
n-Octadecyl alcohol	C <sub>18</sub> H <sub>38</sub> O	112-92-5	3-Oxahexane	C <sub>5</sub> H <sub>12</sub> O <sub>2</sub>	2807-30-9
n-Octadecyl chloride	C <sub>18</sub> H <sub>37</sub> Cl	3386-33-2	2-Oxadodecane	C <sub>2</sub> H <sub>2</sub> O <sub>4</sub>	144-62-7
n-Octadecyl mercaptan	C <sub>18</sub> H <sub>38</sub> S	2885-00-9	4-Oxaheptane	C <sub>2</sub> F <sub>2</sub> O <sub>2</sub>	359-40-0
p-n-Octadecyloxybenzoic acid	C <sub>25</sub> H <sub>42</sub> O <sub>3</sub>	15872-50-1	2-Oxa-3-methylbutane	C <sub>4</sub> H <sub>10</sub> O	598-53-8
p-n-Octadecyloxybenzoic acid	C <sub>25</sub> H <sub>41</sub> DO <sub>3</sub>	unavailable	Oxamide	C <sub>2</sub> H <sub>12</sub> N <sub>2</sub> O <sub>2</sub>	471-46-5
Octaethylcyclotetrasiloxane	C <sub>24</sub> H <sub>40</sub> D <sub>4</sub> Si <sub>4</sub>	1451-99-6	Oxane	C <sub>5</sub> H <sub>10</sub> O	142-68-7
Octafluoroclobutane	C <sub>4</sub> F <sub>8</sub>	115-25-3	2-Oxapentane	C <sub>4</sub> H <sub>10</sub> O	557-17-5
Octafluoropropane	C <sub>3</sub> F <sub>8</sub>	76-19-7	3-Oxapentane	C <sub>4</sub> H <sub>10</sub> O	60-29-7
Octafluorotoluene	C <sub>7</sub> F <sub>8</sub>	434-64-0	4-Oxabutanenitrile	C <sub>4</sub> H <sub>10</sub> O <sub>2</sub>	110-80-5
1,2,3,4,5,6,7,8-Octahydroanthracene	C <sub>14</sub> H <sub>18</sub>	1079-71-6	17-[Oxoheptyl]oxy]-[17α]-19-norpregn-4-en-20-yn-3-one	C <sub>2</sub> H <sub>6</sub> O	115-10-6
Octahydroazocine	C <sub>7</sub> H <sub>15</sub> N	1121-92-2	μ <sub>3</sub> -Oxo-tris(pyridine)hexakis(acetato)iron(II) diiron pyridine	C <sub>10</sub> H <sub>10</sub> O <sub>2</sub>	65181-92-2
5,6,6a,6b,11,12,12a,12b-Octahydrodibenzo-[a,g]biphenylene	C <sub>20</sub> H <sub>20</sub>	42182-87-6	Oxolane	C <sub>3</sub> H <sub>6</sub> O	503-30-0
5,6,6a,6b,7,8,12b,12c-Octahydrodibenzo-[a,i]biphenylene	C <sub>20</sub> H <sub>20</sub>	42182-84-3	4,4'-Oxybis-1,2-benzenediamine	C <sub>3</sub> H <sub>4</sub> O	75-21-8
1,1,4,4,10,10,13,13-Octamethyl-cyclooctadecane	C <sub>26</sub> H <sub>52</sub>	23014-57-5	Oxy-p,p'-dibenzoyl chloride	C <sub>4</sub> H <sub>5</sub> NO	3515-93-3
Octamethylidiphenylcyclopentasiloxane	C <sub>20</sub> H <sub>34</sub> O <sub>3</sub> Si <sub>5</sub>	13438-48-7	Palmitic acid	C <sub>27</sub> H <sub>38</sub> O <sub>3</sub>	3836-23-5
Octamethylcyclotetrasilazane	C <sub>8</sub> H <sub>28</sub> N <sub>4</sub> Si <sub>4</sub>	1020-84-4	2,2-Paracyclophane	C <sub>32</sub> H <sub>38</sub> Fe <sub>3</sub> N <sub>4</sub> O <sub>13</sub>	99582-28-2
Octamethylcyclotetrasiloxane	C <sub>8</sub> H <sub>24</sub> O <sub>3</sub> Si <sub>4</sub>	556-67-2	3,3-Paracyclophane	C <sub>4</sub> H <sub>8</sub> O	109-99-9
Octanal	C <sub>8</sub> H <sub>16</sub> O	124-13-0	Paraldehyde	C <sub>12</sub> H <sub>14</sub> N <sub>4</sub> O	2676-59-7
n-Octane	C <sub>8</sub> H <sub>18</sub>	111-65-9	Pelargonic acid	C <sub>14</sub> H <sub>8</sub> Cl <sub>2</sub> O <sub>3</sub>	50975-64-9
1-Octanethiol	C <sub>8</sub> H <sub>18</sub> S	111-88-6	Pentachlorobenzene	P	
Octanoic acid	C <sub>8</sub> H <sub>16</sub> O <sub>2</sub>	124-07-2	Paraldehyde	C <sub>16</sub> H <sub>32</sub> O <sub>2</sub>	57-10-3
1-Octanol	C <sub>8</sub> H <sub>18</sub> O	111-87-5	Pentachloroethane	C <sub>16</sub> H <sub>16</sub>	1633-22-3
2-Octanol	C <sub>8</sub> H <sub>18</sub> O	123-96-6	Pentachlorophenol	C <sub>18</sub> H <sub>20</sub>	2913-24-8
3-Octanol	C <sub>8</sub> H <sub>18</sub> O	589-98-0	Pentachlorophenol	C <sub>6</sub> H <sub>12</sub> O <sub>3</sub>	123-63-7
4-Octanol	C <sub>8</sub> H <sub>18</sub> O	589-62-8	n-Pentacosane	C <sub>9</sub> H <sub>18</sub> O	124-19-6
2-Octanone	C <sub>8</sub> H <sub>16</sub> O	111-13-7	Pentacycloformaldehyde	C <sub>9</sub> H <sub>18</sub> O <sub>2</sub>	112-05-0
Octaphenylcyclotetrasiloxane	C <sub>48</sub> H <sub>40</sub> O <sub>3</sub> Si <sub>4</sub>	546-56-5	Pentacyclo[4.2.0.0 <sup>2,5</sup> .0 <sup>3,8</sup> .0 <sup>4,7</sup> ]octane	C <sub>6</sub> HCl <sub>5</sub>	608-93-5
n-Octatetracontane	C <sub>48</sub> H <sub>98</sub>	7098-26-2	Pentacyclo[7.3.1.1 <sup>4,12</sup> .0 <sup>2,7</sup> .0 <sup>6,11</sup> ]tetradecane	C <sub>3</sub> HCl <sub>5</sub>	76-01-7
				C <sub>6</sub> HCl <sub>5</sub> O	87-86-5
				C <sub>25</sub> H <sub>52</sub>	629-99-2
				C <sub>5</sub> H <sub>10</sub> O <sub>5</sub>	16528-92-0
				C <sub>8</sub> H <sub>8</sub>	277-10-1
				C <sub>14</sub> H <sub>20</sub>	2292-79-7

<i>n</i> -Pentadecane	C <sub>15</sub> H <sub>32</sub>	629-62-9	4- <i>n</i> -Pantanoyl-4- <i>n</i> '-	C <sub>20</sub> H <sub>22</sub> N <sub>2</sub> O <sub>3</sub>	120102-97-8
Pentadecanoic acid	C <sub>15</sub> H <sub>30</sub> O <sub>2</sub>	1002-84-2	propanoyloxyazobenzene		
1-Pentadecanol	C <sub>15</sub> H <sub>32</sub> O	629-76-5	4- <i>n</i> -Pantanoyl-4- <i>n</i> '-	C <sub>31</sub> H <sub>44</sub> N <sub>2</sub> O <sub>3</sub>	120103-07-3
Pentadecanolactone	C <sub>15</sub> H <sub>28</sub> O <sub>2</sub>	106-02-5	tetradecanoyloxyazobenzene		
2-Pentadecanone	C <sub>15</sub> H <sub>30</sub> O	2345-28-0	4- <i>n</i> -Pantanoyl-4- <i>n</i> '-	C <sub>30</sub> H <sub>42</sub> N <sub>2</sub> O <sub>3</sub>	120103-06-2
<i>n</i> -Pentadecyl alcohol	C <sub>15</sub> H <sub>32</sub> O	629-76-5	tridecanoyloxyazobenzene		
1,2-Pentadiene	C <sub>5</sub> H <sub>8</sub>	591-95-7	4- <i>n</i> -Pantanoyl-4- <i>n</i> '-	C <sub>28</sub> H <sub>38</sub> N <sub>2</sub> O <sub>3</sub>	120103-04-0
1- <i>cis</i> -3-Pentadiene	C <sub>5</sub> H <sub>8</sub>	1574-41-0	undecanoyloxyazobenzene	C <sub>10</sub> H <sub>22</sub> O <sub>5</sub>	143-24-8
1- <i>trans</i> -3-Pentadiene	C <sub>5</sub> H <sub>8</sub>	2004-70-8	2,5,8,11,14-Pentaoxapentadecane	C <sub>32</sub> H <sub>26</sub>	19112-42-6
1,4-Pentadiene	C <sub>5</sub> H <sub>8</sub>	591-93-5	Pentaphenylethane	C <sub>15</sub> H <sub>32</sub> O <sub>6</sub>	21482-12-2
2,3-Pentadiene	C <sub>5</sub> H <sub>8</sub>	591-96-8	Pentrapropylene glycol	C <sub>35</sub> H <sub>72</sub>	630-07-9
Pentaerythritol	C <sub>5</sub> H <sub>12</sub> O <sub>4</sub>	115-77-5	<i>n</i> -Pentatriacetone	C <sub>5</sub> H <sub>10</sub>	109-67-1
Pentaerythritol tetranitrate	C <sub>5</sub> H <sub>8</sub> N <sub>4</sub> O <sub>12</sub>	78-11-5	1-Pentene	C <sub>5</sub> H <sub>10</sub>	109-68-2
Pentaerythritol tetrabromide	C <sub>5</sub> H <sub>8</sub> Br <sub>4</sub>	3229-00-3	2-Pentene	C <sub>5</sub> H <sub>10</sub>	627-20-3
Pentaerythritol tetrachloride	C <sub>5</sub> H <sub>8</sub> Cl <sub>4</sub>	3228-99-7	<i>cis</i> -2-Pentene	C <sub>5</sub> H <sub>10</sub>	646-04-8
Pentaerythritol tetrafluoride	C <sub>5</sub> H <sub>8</sub> F <sub>4</sub>	338-23-8	<i>trans</i> -2-Pentene	(C <sub>5</sub> H <sub>8</sub> Cl <sub>2</sub> O) <sub>n</sub>	25323-58-4
Pentaerythritol tetraiodide	C <sub>5</sub> H <sub>8</sub> I <sub>4</sub>	1522-88-9	Penton	C <sub>5</sub> H <sub>10</sub> O <sub>5</sub>	16528-92-0
Pentaethylenglycol	C <sub>10</sub> H <sub>22</sub> O <sub>6</sub>	4792-15-8	Pentoxane	C <sub>5</sub> H <sub>12</sub> O	71-41-0
Pentafluoroaniline	C <sub>6</sub> H <sub>2</sub> F <sub>5</sub> N	771-60-8	<i>n</i> -Pentyl alcohol	C <sub>5</sub> H <sub>12</sub> O	75-85-4
Pentafluorobenzene	C <sub>6</sub> HF <sub>5</sub>	363-72-4	<i>tert</i> -Pentyl alcohol	C <sub>5</sub> H <sub>13</sub> N	110-58-7
Pentafluorochlorobenzene	C <sub>6</sub> ClF <sub>5</sub>	344-07-0	<i>n</i> -Pentylamine	C <sub>5</sub> H <sub>14</sub> CIN	142-65-4
Pentafluorochloroethane	C <sub>2</sub> ClF <sub>5</sub>	76-15-3	<i>n</i> -Pentylammonium chloride	C <sub>5</sub> H <sub>11</sub> Br	110-53-2
Pentafluoronitrobenzene	C <sub>6</sub> F <sub>5</sub> NO <sub>2</sub>	880-78-4	<i>n</i> -Pentyl bromide	C <sub>6</sub> H <sub>18</sub> O <sub>2</sub>	540-18-1
Pentafluorophenol	C <sub>6</sub> HF <sub>5</sub> O	771-61-9	Pentyl butanoate	C <sub>5</sub> H <sub>11</sub> Cl	543-59-9
2,3,4,5,6-Pentafluorotoluene	C <sub>7</sub> H <sub>3</sub> F <sub>5</sub>	771-56-2	<i>n</i> -Pentyl chloride		
1,2,3,4,5-Pentahydroxypentane	C <sub>5</sub> H <sub>12</sub> O <sub>5</sub>	488-81-3	Pentyldiamine manganese tetrachloride	C <sub>5</sub> H <sub>16</sub> Cl <sub>4</sub> MnN <sub>2</sub>	59890-70-9
Pentakis(methylammonium)undecabromodibismuthate	C <sub>5</sub> H <sub>30</sub> Bi <sub>2</sub> Br <sub>11</sub> N <sub>5</sub>	119931-90-7	Pentyl ethanoate	C <sub>7</sub> H <sub>14</sub> O <sub>2</sub>	628-63-7
Pentamethylbenzene	C <sub>11</sub> H <sub>16</sub>	700-12-9	<i>n</i> -Pentyl ethanoate	C <sub>7</sub> H <sub>14</sub> O <sub>2</sub>	628-63-7
Pentamethylbenzoic acid	C <sub>12</sub> H <sub>16</sub> O <sub>2</sub>	2243-32-5	<i>n</i> -Pentyl iodide	C <sub>6</sub> H <sub>11</sub> I	628-17-1
17-[ <i>(Pentamethylsiloxy)oxy</i> ]-( <i>17</i> <i>α</i> )-19-norpregn-4-en-20-yn-3-one	C <sub>20</sub> H <sub>26</sub> O <sub>2</sub>	71203-43-5	2-Pentynonenal	C <sub>14</sub> H <sub>26</sub> O	3021-89-4
2,2,4,6,6-Pentamethylheptane	C <sub>12</sub> H <sub>26</sub>	13475-82-6	N-[ <i>p</i> -( <i>n</i> -Pentyloxy)benzylidene]- <i>p</i> '- <i>n</i> -butylaniline	C <sub>22</sub> H <sub>29</sub> NO	29743-10-0
<i>n</i> -Pentalanal	C <sub>5</sub> H <sub>10</sub> O	110-62-3	4- <i>n</i> -Pentylphenyl-4'-heptyloxythiobenzoate	C <sub>25</sub> H <sub>34</sub> O <sub>2</sub> S	61519-00-4
<i>n</i> -Pentane	C <sub>5</sub> H <sub>12</sub>	109-66-0	Pentyl propionate	C <sub>8</sub> H <sub>16</sub> O <sub>2</sub>	624-54-4
1,5-Pentanediol	C <sub>5</sub> H <sub>12</sub> O <sub>2</sub>	111-29-5	Perchlorobenzene	C <sub>6</sub> Cl <sub>6</sub>	118-74-1
1,2,3,4,5-Pentanepentol	C <sub>5</sub> H <sub>12</sub> O <sub>5</sub>	488-81-3	Perchlorobiphenyl	C <sub>12</sub> Cl <sub>10</sub>	2051-24-3
xylo-1,2,3,4,5-Pentanepentol	C <sub>5</sub> H <sub>12</sub> O <sub>5</sub>	87-99-0	Perchlorophenol	C <sub>6</sub> HCl <sub>5</sub> O	87-86-5
1-Pantanethiol	C <sub>5</sub> H <sub>12</sub> S	110-66-7	Perfluorobenzene	C <sub>6</sub> F <sub>6</sub>	392-56-3
Pentanoic acid	C <sub>5</sub> H <sub>10</sub> O <sub>2</sub>	109-52-4	Perfluorocyclo[4.4.0]dec-1,6-diene	C <sub>10</sub> F <sub>16</sub>	54939-04-7
1-Pentanol	C <sub>5</sub> H <sub>12</sub> O	71-41-0	Perfluorobicyclohexyl	C <sub>12</sub> F <sub>22</sub>	558-64-5
3-Pentanol	C <sub>5</sub> H <sub>12</sub> O	584-02-1	Perfluorobiphenyl	C <sub>12</sub> F <sub>10</sub>	434-90-2
2-Pantanone	C <sub>5</sub> H <sub>10</sub> O	107-87-9	<i>n</i> -Perfluorobutane	C <sub>4</sub> F <sub>10</sub>	355-25-9
3-Pantanone	C <sub>5</sub> H <sub>10</sub> O	96-22-0	Perfluoro-3-butyltetrahydrofuran	C <sub>8</sub> F <sub>16</sub> O	500005-57-2
4- <i>n</i> -Pantanoyl-4- <i>n</i> '-butanoxyloxyazobenzene	C <sub>21</sub> H <sub>24</sub> N <sub>2</sub> O <sub>3</sub>	120122-98-7	Perfluorodecalin	C <sub>10</sub> F <sub>18</sub>	306-94-5
Pantanoyl chloride	C <sub>5</sub> H <sub>9</sub> ClO	638-29-9	<i>cis</i> -Perfluorodecalin	C <sub>10</sub> F <sub>18</sub>	60433-11-6
4- <i>n</i> -Pantanoyl-4- <i>n</i> '-decanoxyloxyazobenzene	C <sub>27</sub> H <sub>36</sub> N <sub>2</sub> O <sub>3</sub>	120103-03-9	Perfluorodimethylcyclohexane	C <sub>10</sub> F <sub>18</sub>	60433-12-7
4- <i>n</i> -Pantanoyl-4- <i>n</i> '-dodecanoxyloxyazobenzene	C <sub>29</sub> H <sub>40</sub> N <sub>2</sub> O <sub>3</sub>	120103-05-1	Perfluoroheptane	C <sub>8</sub> F <sub>16</sub>	unavailable
4- <i>n</i> -Pantanoyl-4- <i>n</i> '-ethanoxyloxyazobenzene	C <sub>19</sub> H <sub>20</sub> N <sub>2</sub> O <sub>3</sub>	120102-96-7	<i>n</i> -Perfluorohexane	C <sub>7</sub> F <sub>16</sub>	335-57-9
4- <i>n</i> -Pantanoyl-4- <i>n</i> '-heptanoxyloxyazobenzene	C <sub>34</sub> H <sub>50</sub> N <sub>2</sub> O <sub>3</sub>	120103-10-8	Perfluoromethylcyclohexane	C <sub>6</sub> F <sub>14</sub>	355-42-0
4- <i>n</i> -Pantanoyl-4- <i>n</i> '-heptanoyloxyazobenzene	C <sub>24</sub> H <sub>30</sub> N <sub>2</sub> O <sub>3</sub>	120103-00-6	Perfluoromethyl diethylamine	C <sub>7</sub> F <sub>14</sub>	355-02-2
4- <i>n</i> -Pantanoyl-4- <i>n</i> '-hexadecanoyloxyazobenzene	C <sub>33</sub> H <sub>48</sub> N <sub>2</sub> O <sub>3</sub>	120103-09-5	<i>n</i> -Perfluoroctane	C <sub>5</sub> F <sub>13</sub> N	758-48-5
4- <i>n</i> -Pantanoyl-4- <i>n</i> '-hexanoxyloxyazobenzene	C <sub>23</sub> H <sub>28</sub> N <sub>2</sub> O <sub>3</sub>	120102-99-0	<i>n</i> -Perfluoropentane	C <sub>8</sub> F <sub>18</sub>	307-34-6
4- <i>n</i> -Pantanoyl-4- <i>n</i> '-nonanoyloxyazobenzene	C <sub>28</sub> H <sub>34</sub> N <sub>2</sub> O <sub>3</sub>	120103-02-8	Perfluoropiperidine	C <sub>5</sub> F <sub>12</sub>	678-26-2
4- <i>n</i> -Pantanoyl-4- <i>n</i> '-octadecanoyloxyazobenzene	C <sub>35</sub> H <sub>52</sub> N <sub>2</sub> O <sub>3</sub>	120103-11-9	Perfluoropropane	C <sub>5</sub> F <sub>11</sub> N	836-77-1
4- <i>n</i> -Pantanoyl-4- <i>n</i> '-octanoyloxyazobenzene	C <sub>25</sub> H <sub>32</sub> N <sub>2</sub> O <sub>3</sub>	120103-01-7	Perfluorotoluene	C <sub>5</sub> F <sub>8</sub>	76-19-7
4- <i>n</i> -Pantanoyl-4- <i>n</i> '-pentadecanoyloxyazobenzene	C <sub>32</sub> H <sub>46</sub> N <sub>2</sub> O <sub>3</sub>	120103-08-4	Perfluorotriethylamine	C <sub>6</sub> F <sub>15</sub> N	359-70-6
4- <i>n</i> -Pantanoyl-4- <i>n</i> '-pentanoyloxyazobenzene	C <sub>22</sub> H <sub>26</sub> N <sub>2</sub> O <sub>3</sub>	120102-98-9	Perhydroazepine	C <sub>6</sub> H <sub>13</sub> N	111-49-9
			Perhydromethylcyclopentadiene dimer	C <sub>12</sub> H <sub>20</sub>	unavailable
			Perhydrophenanthrene	C <sub>14</sub> H <sub>24</sub>	5743-97-5
			Perylene	C <sub>20</sub> H <sub>12</sub>	198-55-0
			Perylene picric acid	C <sub>26</sub> H <sub>15</sub> N <sub>3</sub> O <sub>7</sub>	42462-61-3
			PETN	C <sub>5</sub> H <sub>8</sub> N <sub>4</sub> O <sub>12</sub>	78-11-5
			Petroselinic acid	C <sub>18</sub> H <sub>34</sub> O <sub>2</sub>	593-39-5
			Phenanthrene	C <sub>14</sub> H <sub>10</sub>	85-01-8
			Phenanthridine	C <sub>11</sub> H <sub>9</sub> N	229-87-8
			Phenazine	C <sub>12</sub> H <sub>8</sub> N <sub>2</sub>	92-82-0
			Phenol	C <sub>6</sub> H <sub>6</sub> O	108-95-2

Phenolphthalein	$C_{20}H_{14}O_4$	77-09-8	3-Phenyl-5-phenoxyethyl-2-N-phenyliminooxazolidine	$C_{22}H_{20}N_2O_2$	34028-37-0
Phenol- <i>p</i> -toluidine complex	$C_{13}H_{15}NO$	14489-32-8	N-Phenylphthalimide	$C_{14}H_9NO_2$	520-03-6
Phenol-urea complex	$C_{13}H_{10}N_2O_3$	5168-44-5	3-Phenylpropanol	$C_9H_{12}O$	122-97-4
Phenothiazine	$C_{12}H_9NS$	92-84-2	Phenylpropionic acid	$C_9H_{10}O_2$	501-52-0
Phenoxythiin	$C_{12}H_8SO$	262-20-4	3-Phenylpropylamine	$C_9H_{11}N$	2038-57-5
2-Phenoxyethanol	$C_8H_{10}O_2$	122-99-6	bromide	$C_9H_{14}BrN$	120375-53-3
Phenylacetylene	$C_8H_6$	536-74-3	3-Phenylpropylammonium	$C_9H_{14}ClN$	30684-05-C
Phenylalanine(L)	$C_9H_{11}NO_2$	63-91-2	chloride	$C_6H_5Cl_3Sn$	1124-19-2
Phenylaminoethyl methacrylate	$C_{12}H_{15}NO_2$	19288-59-6	3-Phenylpropylammonium	$C_{14}H_{14}$	713-36-C
4-Phenylbutylammonium bromide	$C_{10}H_{16}BrN$	120375-52-2	Phenyltin trichloride	$C_6H_5Cl_3Ge$	1074-29-C
4-Phenylbutylammonium chloride	$C_{10}H_{16}ClN$	30684-06-1	Phenyl- <i>o</i> -tolylmethane	$C_6H_5Cl_3Si$	98-13-5
4-Phenylbutylammonium nitrate	$C_{10}H_{14}N_2O_3$	120375-45-3	Phenyltrichlorosilane	$C_6H_5Cl_3Sn$	1124-19-2
Phenylchloromethane	$C_7H_7Cl$	100-44-7	Phenyltrichlorostannane	$C_7H_8N_2O$	64-10-8
1-Phenyl-1-cyclohexyldodecane	$C_{24}H_{40}$	unavailable	Phenylurea	$CCl_3O$	75-44-5
10-Phenyldecylammonium bromide	$C_{16}H_{28}BrN$	120396-92-1	Phosgene	$C_9H_9FeP$	63287-55-8
10-Phenyldecylammonium chloride	$C_{16}H_{28}ClN$	120375-54-4	Phosphaferrocene	$C_8H_8O$	496-14-C
1,2-Phenylenediamine	$C_6H_8N_2$	95-54-5	Phtalan	$C_{14}H_{11}NO_3$	4727-29-1
1,3-Phenylenediamine	$C_6H_8N_2$	108-45-2	Phthalanilic acid	$C_8H_6O_4$	100-21-C
1,4-Phenylenediamine	$C_6H_8N_2$	106-50-3	Phthalic acid	$C_8H_6O_4$	121-91-5
1,4-Phenylenediisocyanate	$C_8H_{12}N_2O_2$	104-49-4	<i>m</i> -Phthalic acid	$C_8H_6O_4$	88-99-3
<i>o</i> -Phenylenepyrene picric acid	$C_{28}H_{15}N_3O_7$	72497-58-6	<i>o</i> -Phthalic acid	$C_8H_6O_4$	100-21-C
2-Phenylethanol	$C_8H_{10}O$	60-12-8	<i>p</i> -Phthalic acid dichloride	$C_8H_4Cl_2O_2$	99-63-8
2-Phenylethylamine	$C_8H_{11}N$	64-04-0	Phthalic anhydride	$C_8H_4Cl_2O_2$	100-20-9
2-Phenylethylammonium bromide	$C_8H_{12}BrN$	53916-94-2	<i>o</i> -Phthalonitrile	$C_8H_4O_3$	85-44-9
2-Phenylethylammonium chloride	$C_8H_{12}ClN$	156-28-5	Phthalonitrile and <i>m</i> -phenylene diamine condensation product	$C_8H_4N_2$	91-15-C
2-Phenylethylammonium nitrate	$C_8H_{12}N_2O_3$	120375-47-5	Phthaloyl dichloride	$C_{28}H_{18}N_6$	246-42-4
Phenylglycine	$C_8H_9NO_2$	103-01-5	<i>o</i> -Phthaloyl dichloride	$C_8H_4Cl_2O_2$	88-95-9
$\alpha$ -Phenylglycine	$C_8H_9NO_2$	69-91-0	<i>p</i> -Phthaloyl dichloride	$C_8H_4Cl_2O_2$	88-95-9
$\alpha$ -Phenylglycine(D)	$C_8H_9NO_2$	69-91-0	Phytone	$C_8H_4Cl_2O_2$	100-20-9
Phenyl glycidyl ether	$C_9H_{10}O_2$	122-60-1	Picene-picric acid	$C_{18}H_{36}O$	502-69-2
N-Phenylglycine	$C_8H_9NO_2$	103-01-5	$\alpha$ -Picoline	$C_{28}H_{17}N_3O_7$	72454-48-9
11-Phenylheicosane	$C_{27}H_{48}$	6703-80-6	$\beta$ -Picoline	$C_6H_7N$	109-06-8
7-Phenylheptylammonium bromide	$C_{13}H_{22}BrN$	120375-50-0	Picolinic acid	$C_6H_7N$	108-99-C
7-Phenylheptylammonium chloride	$C_{13}H_{22}ClN$	120375-56-6	Pimelic acid	$C_6H_5NO_2$	98-98-C
6-Phenylhexylammonium bromide	$C_{12}H_{20}BrN$	120375-49-7	Pinane	$C_6H_5N_3O_7$	88-89-1
6-Phenylhexylammonium chloride	$C_{12}H_{20}ClN$	120375-57-7	Piperazine	$C_7H_{12}O_4$	111-16-C
6-Phenylhexylammonium nitrate	$C_{12}H_{20}N_2O_3$	120375-43-1	Piperidine	$C_{10}H_{18}$	473-55-C
Phenylhydrazine	$C_6H_8N_2$	100-63-0	$\alpha$ -Piperidone	$C_4H_{10}N_2$	110-85-C
Phenyl isocyanate	$C_7H_7NO$	103-71-9	Pivalaldehyde	$C_5H_{11}N$	110-89-1
4-(2-Phenylisopropyl)phenol	$C_{15}H_{16}O$	599-64-4	Pivalic acid	$C_5H_9NO$	675-20-7
Phenyl isothiocyanate	$C_7H_5NS$	103-72-0	Pimelic acid	$C_5H_{10}O$	630-19-3
Phenyl mercaptan	$C_6H_6S$	108-98-5	Pinane	$C_5H_{10}O_2$	75-98-C
Phenylmethylamine	$C_7H_9N$	100-46-9	Piperazine	$(CH)_n$	26571-64-C
Phenylmethylammonium chloride	$C_7H_{10}ClN$	3287-99-8	Piperidine	$(CH)_n$	74373-36-7
Phenylmethylammonium nitrate	$C_7H_{10}N_2O_3$	49580-44-1	$\alpha$ -Piperidone	$(CH)_n$	73589-68-1
1-Phenyl-1-methyl-1-silacyclobutane	$C_{10}H_{14}Si$	3944-08-9	Pivalic acid	$(C_3H_5NO)_n$	25191-17-C
9-Phenylnonylammonium bromide	$C_{15}H_{26}BrN$	120375-48-6	Polyacetylene	$(C_3H_5NO)_n$	25191-17-C
9-Phenylnonylammonium chloride	$C_{15}H_{26}ClN$	120375-55-5	<i>cis</i> -Polyacetylene	$(C_3H_5NO)_n$	25191-17-C
8-Phenoxyoctylammonium bromide	$C_{14}H_{24}BrN$	120396-93-2	<i>trans</i> -Polyacetylene	$(C_3H_5NO)_n$	31742-70-C
8-Phenoxyoctylammonium chloride	$C_{14}H_{24}ClN$	17734-26-8	Poly-L-alanine	$(C_6H_{11}N_3O-HCl)_n$	26982-20-C
8-Phenoxyoctylammonium nitrate	$C_{14}H_{24}N_2O_3$	120375-41-9	Poly-L-alanine, $\alpha$ -helix	$(C_4H_6N_2O_2)_n$	28088-48-C
5-Phenylpentylammonium chloride	$C_{11}H_{18}ClN$	120375-51-1	Poly-L-alanine, $\beta$ -sheet	$(C_4H_4NNaO_3)_n$	34345-47-C
5-Phenylpentylammonium bromide	$C_{11}H_{18}BrN$	53429-15-5	Poly(amido-1,2,4-triazole)	$(C_2H_{22}N_2O_2)_n$	120885-14-C
3-Phenyl-5-phenoxyethyl-2-oxazolidinone	$C_{16}H_{15}NO_3$	1226-26-2	Poly-L-arginine hydrochloride	$(C_{26}H_{36}N_2O_3)_n$	120885-15-C
			Poly-L-asparagine	$(C_{28}H_{30}N_2O_4)_n$	120885-16-C
			Poly-L-aspartic acid, sodium salt	$(C_{30}H_{34}N_2O_5)_n$	120885-17-C
			Poly(azomethine) with one EG	$(C_{34}H_{18}N_6O)_n$	89190-45-C
			Poly(azomethine) with two EG	$(C_{17}H_{14}N_2O_2)_n$	25722-66-1
			Poly(azomethine) with three EG	$(C_{22}H_{36}N_2O_4)_n$	102386-72-1
			Poly(azomethine) with four EG	$(C_4H_6)_n$	40022-03-5
			Polybenzimidazoloquinazoline	$(C_4H_6)_n$	25038-44-2
			Poly[2,2-bis-(4-phenoxypropane)]	$(C_4H_6)_n$	9003-17-C
			2,4,6-triazine	$(C_4H_6)_n$	9003-17-C
			Poly-1,4-bis-(2,2,6,6-tetramethyl-4-oxy-1-oxypiperidyl)butadiyne	$(C_4H_6)_n$	9003-17-C
			<i>cis</i> -1,4-Polybutadiene	$(C_4H_6)_n$	9003-17-C
			<i>trans</i> -1,4-Polybutadiene	$(C_4H_6)_n$	9003-17-C
			1,4-Polybutadiene, GL-657	$(C_4H_6)_n$	9003-17-C
			1,4-Polybutadiene, MS-1045	$(C_4H_8)_n$	9003-28-C
			Poly(1-butene)	$(C_4H_8)_n$	9003-28-C
			Poly(1-butene), isotactic	$(C_4H_8)_n$	9003-28-C

Polybutylene glycol adipate	(C <sub>10</sub> H <sub>16</sub> O <sub>4</sub> ) <sub>n</sub>	25103-87-1	-phenylene-oxy-1,4-phenylene-(1-methylidene)-1,4-phenylene]	(C <sub>25</sub> H <sub>18</sub> O <sub>3</sub> S) <sub>n</sub>	31694-05-0
Poly(butylene terephthalate)	(C <sub>12</sub> H <sub>12</sub> O <sub>4</sub> ) <sub>n</sub>	26062-94-2	Polypentadecanolactone	(C <sub>15</sub> H <sub>28</sub> O <sub>2</sub> ) <sub>n</sub>	36486-90-5
Poly- $\gamma$ -butyrolactone	(C <sub>4</sub> H <sub>6</sub> O <sub>2</sub> ) <sub>n</sub>	31213-03-3	Polypentenamer	(C <sub>5</sub> H <sub>8</sub> ) <sub>n</sub>	28702-43-4
Poly- $\epsilon$ -caprolactam	(C <sub>6</sub> H <sub>11</sub> NO) <sub>n</sub>	25038-54-4	cis-Polypentenamer	(C <sub>5</sub> H <sub>8</sub> ) <sub>n</sub>	38439-19-9
Poly- $\epsilon$ -caprolactone	(C <sub>6</sub> H <sub>10</sub> O <sub>2</sub> ) <sub>n</sub>	24980-41-1	trans-Polypentenamer	(C <sub>5</sub> H <sub>8</sub> ) <sub>n</sub>	29300-20-7
Polycyanate	(C <sub>17</sub> H <sub>14</sub> N <sub>2</sub> O <sub>2</sub> ) <sub>n</sub>	25722-66-1	Poly-L-phenylalanine	(C <sub>9</sub> H <sub>9</sub> NO) <sub>n</sub>	25191-15-5
Poly(diethyldisiloxane)	(C <sub>4</sub> H <sub>10</sub> OSi) <sub>n</sub>	28323-47-9	Poly-p-phenylene	(C <sub>6</sub> H <sub>4</sub> ) <sub>n</sub>	25190-62-9
Poly-1,1-diethynyl-2,3,4,5-tetraphenyl-1-germacyclopentadiene	(C <sub>32</sub> H <sub>22</sub> Ge) <sub>n</sub>	57863-12-4	Poly-2,2'-(m-phenylene)-5,5'-dibenzoxazole methane	(C <sub>21</sub> H <sub>12</sub> N <sub>2</sub> O <sub>2</sub> ) <sub>n</sub>	28726-71-8
Poly-4,4'-dihydroxy-3,3'-isophthalimidodiphenylmethane	(C <sub>21</sub> H <sub>16</sub> N <sub>2</sub> O <sub>4</sub> ) <sub>n</sub>	38332-83-1	Poly-[2,2'-(p-phenylene-1,1-diphenyl-5,5'-dibenzimidazole)]	(C <sub>32</sub> H <sub>20</sub> N <sub>4</sub> ) <sub>n</sub>	28576-60-5
Poly-1,1-dimethyl-1-silatrimethylene	(C <sub>5</sub> H <sub>12</sub> Si) <sub>n</sub>	25722-29-6	Poly[2,2'-(1,4-phenylene)-7,7'-oxy-bis(3-phenylquinoxaline)]	(C <sub>34</sub> H <sub>20</sub> N <sub>4</sub> O) <sub>n</sub>	52276-31-0
Polydimethylsilamethylene	(C <sub>3</sub> H <sub>8</sub> Si) <sub>n</sub>	25722-25-2	Polyphenylene PP-1 (linear)	C <sub>20.84</sub> H <sub>16.66</sub> O <sub>0.62</sub>	39527-38-3
Poly(dimethylsiloxane)	(C <sub>2</sub> H <sub>6</sub> OSi) <sub>n</sub>	9016-00-6	Polyphenylene PP-2 (crosslinked)	C <sub>20.84</sub> H <sub>16.66</sub> O <sub>0.62</sub>	39527-38-3
Poly-1,3-dioxolane	(C <sub>3</sub> H <sub>6</sub> O <sub>2</sub> ) <sub>n</sub>	25067-64-5	Poly-1-phenyl-1-methyl-1-silatrimethylene	(C <sub>10</sub> H <sub>14</sub> Si) <sub>n</sub>	unavailable
Poly(4,4'-dioxophenyl-2,2'-propane carbonate)	(C <sub>16</sub> H <sub>14</sub> O <sub>3</sub> ) <sub>n</sub>	24936-68-3	Poly-L-proline	(C <sub>5</sub> H <sub>7</sub> NO) <sub>n</sub>	25191-13-3
Polydiphenyldiethynylgermanium	(C <sub>16</sub> H <sub>10</sub> Ge) <sub>n</sub>	30137-53-2	Polypropanal	(C <sub>3</sub> H <sub>6</sub> O) <sub>n</sub>	25722-18-3
Polydiphenyldiethynylsilane	(C <sub>16</sub> II <sub>10</sub> Si) <sub>n</sub>	31693-69-3	Poly- $\beta$ -propiolactone	(C <sub>3</sub> H <sub>4</sub> O <sub>2</sub> ) <sub>n</sub>	25037-58-5
Poly-(p,p'-diphenylene oxide)-pyromellitimide	(C <sub>22</sub> H <sub>14</sub> N <sub>2</sub> O <sub>7</sub> ) <sub>n</sub>	25036-53-7	Polypropylene	(C <sub>3</sub> H <sub>6</sub> ) <sub>n</sub>	9003-07-0
Poly-(p,p'-diphenyleneephthalido)-hydrazide	(C <sub>30</sub> H <sub>20</sub> N <sub>4</sub> O <sub>6</sub> ) <sub>n</sub>	40902-22-5	Polypropylene, atactic	(C <sub>3</sub> H <sub>6</sub> ) <sub>n</sub>	9003-07-0
Poly-(p,p'-diphenyleneephthalido)-1,3,4-oxadiazole	(C <sub>30</sub> H <sub>16</sub> N <sub>4</sub> O <sub>4</sub> ) <sub>n</sub>	28702-26-3	Polypropylene, isotactic	(C <sub>3</sub> H <sub>6</sub> ) <sub>n</sub>	25085-53-4
Polyethylene	(CH <sub>2</sub> ) <sub>n</sub>	9002-88-4	Polypropylene, isotactic, amorphous	(C <sub>3</sub> H <sub>6</sub> ) <sub>n</sub>	25085-53-4
Polyethylene, branched	(CH <sub>2</sub> ) <sub>n</sub>	9002-88-4	Polypropylene, isotactic, crystalline	(C <sub>3</sub> H <sub>6</sub> ) <sub>n</sub>	25085-53-4
Polyethylene, branched, annealed	(CH <sub>2</sub> ) <sub>n</sub>	9002-88-4	Polypropylene, syndiotactic	(C <sub>3</sub> H <sub>6</sub> ) <sub>n</sub>	26063-22-9
Polyethylene, branched, DYNH CT-1660	(CH <sub>2</sub> ) <sub>n</sub>	9002-88-4	Poly-L-proline-glycine-proline copolymer	(C <sub>11</sub> H <sub>17</sub> N <sub>3</sub> O <sub>3</sub> ) <sub>n</sub>	unavailable
Polyethylene glycol	(C <sub>2</sub> H <sub>4</sub> O) <sub>n</sub>	25322-68-3	Poly-L-serine	(C <sub>3</sub> H <sub>5</sub> NO <sub>2</sub> ) <sub>n</sub>	25821-52-7
Polyethylene, linear	(CH <sub>2</sub> ) <sub>n</sub>	9002-88-4	Poly-L-sodium glutamate-tyrosine copolymer	(C <sub>14</sub> H <sub>15</sub> N <sub>2</sub> NaO <sub>3</sub> ) <sub>n</sub>	97105-00-5
Polyethylene, linear high density	(CH <sub>2</sub> ) <sub>n</sub>	9002-88-4	Polystyrene	(C <sub>8</sub> H <sub>8</sub> ) <sub>n</sub>	9003-53-6
Polyethylene, linear high molecular weight	(CH <sub>2</sub> ) <sub>n</sub>	9002-88-4	Polystyrene-d <sub>3</sub>	(C <sub>8</sub> H <sub>5</sub> D <sub>3</sub> ) <sub>n</sub>	84741-01-5
Polyethylene, linear, Marlex 50 polymer	(CH <sub>2</sub> ) <sub>n</sub>	9002-88-4	Polystyrene-d <sub>5</sub>	(C <sub>8</sub> H <sub>5</sub> D <sub>5</sub> ) <sub>n</sub>	30209-80-4
Polyethylene oxalate	(C <sub>4</sub> H <sub>4</sub> O <sub>4</sub> ) <sub>n</sub>	52224-87-0	Polystyrene-d <sub>8</sub>	(C <sub>8</sub> D <sub>8</sub> ) <sub>n</sub>	27732-42-9
Poly(ethylenesuccinate)	(C <sub>12</sub> H <sub>20</sub> O <sub>4</sub> ) <sub>n</sub>	25037-32-5	Polystyrene, atactic	(C <sub>8</sub> H <sub>8</sub> ) <sub>n</sub>	9003-53-6
Poly-L-glutamic acid, sodium salt	(C <sub>5</sub> H <sub>6</sub> NNaO <sub>3</sub> ) <sub>n</sub>	28826-18-8	Polystyrene, isotactic	(C <sub>8</sub> H <sub>8</sub> ) <sub>n</sub>	25086-18-4
Polyglycine	(C <sub>2</sub> H <sub>3</sub> NO) <sub>n</sub>	25734-27-4	Polystyrene, isotactic, annealed	(C <sub>8</sub> H <sub>8</sub> ) <sub>n</sub>	25086-18-4
Polyglycine I	(C <sub>2</sub> H <sub>3</sub> NO) <sub>n</sub>	25734-27-4	Polystyrene-polystyrene-d <sub>8</sub> copolymer	(C <sub>16</sub> H <sub>8</sub> D <sub>8</sub> ) <sub>n</sub>	70285-56-2
Polyglycine II	(C <sub>2</sub> H <sub>3</sub> NO) <sub>n</sub>	25734-27-4	Poly(sulfonyl-1,4-phenylene)	(C <sub>6</sub> H <sub>4</sub> O <sub>2</sub> S) <sub>n</sub>	31833-61-1
Polyglycolide	(C <sub>4</sub> H <sub>4</sub> O <sub>4</sub> ) <sub>n</sub>	26009-03-0	Poly-[N-terphthalyl-bis(N'-phenyl-o-diphenylamine)]	(C <sub>32</sub> H <sub>24</sub> N <sub>4</sub> O <sub>2</sub> ) <sub>n</sub>	39820-26-3
1-Polyhexene	(C <sub>6</sub> H <sub>12</sub> ) <sub>n</sub>	25067-06-5	Polytetrafluoroethylene, annealed	(C <sub>2</sub> F <sub>4</sub> ) <sub>n</sub>	9002-84-0
Poly-L-histidine	(C <sub>6</sub> H <sub>7</sub> N <sub>3</sub> O) <sub>n</sub>	26062-48-6	Polytetrafluoroethylene, drawn	(C <sub>2</sub> F <sub>4</sub> ) <sub>n</sub>	9002-84-0
Poly L histidine hydrochloride	(C <sub>6</sub> H <sub>7</sub> N <sub>3</sub> O-HCl) <sub>n</sub>	61857 39 1	Polytetrafluoroethylene, molded	(C <sub>2</sub> F <sub>4</sub> ) <sub>n</sub>	9002-84-0
Polyisobutylene	(C <sub>4</sub> H <sub>8</sub> ) <sub>n</sub>	9003-27-4	Polytetrafluoroethylene, powder	(C <sub>2</sub> F <sub>4</sub> ) <sub>n</sub>	9002-84-0
Polyisocyanurate	(C <sub>15</sub> H <sub>10</sub> N <sub>2</sub> O <sub>2</sub> ) <sub>n</sub>	25686-28-6	Polytetrahydrofuran	(C <sub>4</sub> H <sub>8</sub> O) <sub>n</sub>	24979-97-3
Polylactide(DL)	(C <sub>6</sub> H <sub>8</sub> O <sub>4</sub> ) <sub>n</sub>	26969-66-4	Polytriazine	(C <sub>24</sub> H <sub>12</sub> N <sub>6</sub> ) <sub>n</sub>	33411-58-4
Poly-L-leucine	(C <sub>6</sub> H <sub>11</sub> NO) <sub>n</sub>	25322-63-8	Poly(triazolequinazoline)	(C <sub>30</sub> H <sub>16</sub> N <sub>8</sub> ) <sub>n</sub>	31742-67-3
Poly-L-lysine hydrobromide	(C <sub>6</sub> H <sub>12</sub> N <sub>2</sub> O-HBr) <sub>n</sub>	25988-63-0	Poly(tridecanolactone)	(C <sub>13</sub> H <sub>24</sub> O <sub>2</sub> ) <sub>n</sub>	unavailable
Poly-L-lysine hydroybromide-alanine copolymer	(C <sub>9</sub> H <sub>17</sub> N <sub>3</sub> O <sub>2</sub> -HBr) <sub>n</sub>	61257-62-3	Polytrifluorochloroethylene	(C <sub>2</sub> ClF <sub>3</sub> ) <sub>n</sub>	9002-83-9
Poly-L-lysine hydrobromide-phenylalanine copolymer	(C <sub>15</sub> H <sub>21</sub> N <sub>3</sub> O <sub>2</sub> -HBr) <sub>n</sub>	26700-39-0	Polytrifluorovinyl chloride	(C <sub>2</sub> ClF <sub>3</sub> ) <sub>n</sub>	9002-83-9
Polymethacrylic acid	(C <sub>4</sub> H <sub>6</sub> O <sub>2</sub> ) <sub>n</sub>	25087-26-7	Poly-N-( $\beta$ -trimethylsilylethyl)azetidine, zinc chloride complex	(C <sub>8</sub> H <sub>19</sub> NSi) <sub>n</sub>	59789-07-0
Poly-L-methionine	(C <sub>5</sub> H <sub>9</sub> NOS) <sub>n</sub>	26062-47-5	Poly-N-( $\beta$ -trimethylsilylethyl)ethyl enylimine	(C <sub>8</sub> H <sub>19</sub> Cl <sub>2</sub> NSiZn) <sub>n</sub>	59789-07-0
Poly-p-methacryloyloxybenzoic acid	(C <sub>11</sub> H <sub>10</sub> O <sub>4</sub> ) <sub>n</sub>	25853-28-5	Poly-L-tryptophane	(C <sub>7</sub> H <sub>17</sub> NSi) <sub>n</sub>	54691-50-8
Poly(methyl methacrylate)	(C <sub>5</sub> H <sub>8</sub> O <sub>2</sub> ) <sub>n</sub>	87210-32-0	Poly-L-tyrosine	(C <sub>11</sub> H <sub>10</sub> N <sub>2</sub> O) <sub>n</sub>	27813-82-7
Poly(4-methyl-1-pentene)	(C <sub>6</sub> H <sub>12</sub> ) <sub>n</sub>	24979-98-4	Poly- $\delta$ -valerolactone	(C <sub>9</sub> H <sub>9</sub> NO <sub>2</sub> ) <sub>n</sub>	25619-78-7
Poly( $\alpha$ -methylstyrene)	(C <sub>8</sub> H <sub>10</sub> ) <sub>n</sub>	25014-31-7	Poly-L-valine	(C <sub>5</sub> H <sub>9</sub> O <sub>2</sub> ) <sub>n</sub>	26354-94-9
Polyoctadiene	(C <sub>8</sub> H <sub>12</sub> ) <sub>n</sub>	26353-15-1	Polyvinyl alcohol	(C <sub>5</sub> H <sub>9</sub> NO) <sub>n</sub>	25609-85-2
Polyoctenylene	(C <sub>8</sub> H <sub>14</sub> ) <sub>n</sub>	25267-51-0	Polyvinyl chloride	(C <sub>2</sub> H <sub>3</sub> Cl) <sub>n</sub>	93050-82-9
Poly(oxacyclobutane)	(C <sub>3</sub> H <sub>6</sub> O) <sub>n</sub>	25722-06-9	Polyvinylidimethylbenzylsilane	(C <sub>11</sub> H <sub>16</sub> Si) <sub>n</sub>	26715-68-4
Polyoxymethylene	(CH <sub>2</sub> O) <sub>n</sub>	110-88-3	Polyvinylidimethylphenylsilane	(C <sub>10</sub> H <sub>14</sub> Si) <sub>n</sub>	26744-16-1
Poly(oxy-1,4-phenylene sulfonyl-1,4-phenylene)	(C <sub>12</sub> H <sub>8</sub> O <sub>3</sub> S) <sub>n</sub>	25667-42-9	Polyvinylene-diphenylenesilylgermyl- $\alpha$ , $\omega$ -dihydride copolymer	(C <sub>28</sub> H <sub>24</sub> GeSi) <sub>n</sub>	66160-70-1
Poly(oxy-1,4-phenylene-sulfonyl-1,4-					

Polyvinylendiphenylgermane	(C <sub>14</sub> H <sub>12</sub> Ge) <sub>n</sub>	60130-27-0	2-n-Propoxyethanol	C <sub>5</sub> H <sub>12</sub> O <sub>2</sub>	2807-30-5
Polyvinylendiphenylgermyl- $\alpha,\omega$ -dihydride	(C <sub>14</sub> H <sub>12</sub> Ge) <sub>n</sub>	60130-27-0	1-n-Propoxy-2-methoxyethane	C <sub>6</sub> H <sub>14</sub> O <sub>2</sub>	500005-28-7
Polyvinylendiphenylsilane	(C <sub>14</sub> H <sub>12</sub> Si) <sub>n</sub>	66160-69-8	N-(n-Propyl)acetamide	C <sub>5</sub> H <sub>11</sub> NO	5331-48-6
Polyvinylendiphenylsilyl- $\alpha,\omega$ -dihydride	(C <sub>14</sub> H <sub>12</sub> Si) <sub>n</sub>	66160-69-8	n-Propyl acetate	C <sub>5</sub> H <sub>10</sub> O <sub>2</sub>	109-60-4
Polyvinylidene chloride	(C <sub>2</sub> H <sub>2</sub> Cl <sub>2</sub> ) <sub>n</sub>	9002-85-1	n-Propyl alcohol	C <sub>3</sub> H <sub>8</sub> O	71-23-8
Polyvinyltrimethylsilane	(C <sub>5</sub> H <sub>12</sub> Si) <sub>n</sub>	25036-32-2	n-Propylamine	C <sub>3</sub> H <sub>9</sub> N	107-10-8
Potassium acetate	C <sub>2</sub> H <sub>3</sub> KO <sub>2</sub>	127-08-2	n-Propylammonium bromide	C <sub>3</sub> H <sub>10</sub> BrN	4905-83-3
Potassium butyrate	C <sub>4</sub> H <sub>7</sub> KO <sub>2</sub>	589-39-9	n-Propylbenzene	C <sub>9</sub> H <sub>12</sub>	103-65-1
Potassium hydrogen cis-butenedioate	C <sub>4</sub> H <sub>3</sub> O <sub>4</sub> K	689-82-7	trans,trans-4'-Propylbicyclohexyl-4-carbonitrile	C <sub>16</sub> H <sub>27</sub> N	65355-35-2
Potassium hydrogen trans-butenedioate	C <sub>4</sub> H <sub>3</sub> O <sub>4</sub> K	20272-14-4	4'-Propylbiphenyl-4-carbonitrile	C <sub>16</sub> H <sub>15</sub> N	58743-76-7
Potassium hydrogen fumarate	C <sub>4</sub> H <sub>3</sub> O <sub>4</sub> K	20272-14-4	n-Propyl bromide	C <sub>3</sub> H <sub>7</sub> Br	106-94-5
Potassium hydrogen maleate	C <sub>4</sub> H <sub>3</sub> O <sub>4</sub> K	689-82-7	n-Propyl chloride	C <sub>3</sub> H <sub>7</sub> Cl	540-54-2
Potassium 2-methylpropanoate	C <sub>4</sub> H <sub>7</sub> KO <sub>2</sub>	19455-20-0	n-Propyl cyanide	C <sub>4</sub> H <sub>7</sub> N	109-74-0
Potassium propionate	C <sub>3</sub> H <sub>5</sub> KO <sub>2</sub>	327-62-8	n-Propylcyclohexane	C <sub>9</sub> H <sub>18</sub>	1678-92-8
Potassium sodium tartrate tetrahydrate	C <sub>4</sub> H <sub>4</sub> KNaO <sub>6</sub> ·4H <sub>2</sub> O	6381-59-5	n-Propylcyclopentane	C <sub>8</sub> H <sub>16</sub>	2040-96-2
Potassium tetraphenyl borate	C <sub>24</sub> H <sub>20</sub> BK	3244-41-5	$\alpha$ -n-Propyldecalin	C <sub>13</sub> H <sub>24</sub>	91972-45-1
Potassium tetraphenyl boron	C <sub>24</sub> H <sub>20</sub> BK	3244-41-5	Propyldiammonium cadmium tetrachloride	C <sub>3</sub> H <sub>12</sub> CdCl <sub>4</sub> N <sub>2</sub>	60970-45-8
Potassium thiocyanate	CKNS	333-20-0	Propyldiammonium manganese tetrachloride	C <sub>3</sub> H <sub>12</sub> Cl <sub>4</sub> MnN <sub>2</sub>	59683-18-0
Praseodymium isothiocyanate heptahydrate	C <sub>3</sub> N <sub>3</sub> PrS <sub>3</sub> ·7H <sub>2</sub> O	113614-86-1	Propylene	C <sub>3</sub> H <sub>6</sub>	115-07-1
Prehnitene	C <sub>10</sub> H <sub>14</sub>	488-23-3	Propylene carbonate	C <sub>4</sub> H <sub>6</sub> O <sub>3</sub>	108-32-7
Proline(L)	C <sub>5</sub> H <sub>9</sub> NO <sub>2</sub>	147-85-3	Propylene dichloride	C <sub>3</sub> H <sub>6</sub> Cl <sub>2</sub>	78-87-5
Propaldehyde	C <sub>3</sub> H <sub>6</sub> O	123-38-6	Propylene glycol	C <sub>3</sub> H <sub>8</sub> O <sub>2</sub>	57-55-6
Propanal	C <sub>3</sub> H <sub>6</sub> O	123-38-6	Propylene oxide	C <sub>3</sub> H <sub>6</sub> O	75-56-5
Propane	C <sub>3</sub> H <sub>8</sub>	74-98-6	Propylene oxide clathrate hydrate	C <sub>3</sub> H <sub>6</sub> O·17H <sub>2</sub> O	20392-75-1
1,2-Propanediamine	C <sub>3</sub> H <sub>10</sub> N <sub>2</sub>	78-90-0	N-(n-Propyl)ethanamide	C <sub>5</sub> H <sub>11</sub> NO	5331-48-6
1,2-Propanediol	C <sub>3</sub> H <sub>8</sub> O <sub>2</sub>	57-55-6	Propyl ethanoate	C <sub>5</sub> H <sub>10</sub> O <sub>2</sub>	109-60-2
1-Propanethiol	C <sub>3</sub> H <sub>8</sub> S	107-43-1	Propyl formate	C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	110-74-7
2-Propanethiol	C <sub>3</sub> H <sub>8</sub> S	75-33-2	4-Propyl-4-heptanol	C <sub>10</sub> H <sub>22</sub> O	2198-72-3
1,2,3-Propanetriol	C <sub>3</sub> H <sub>8</sub> O <sub>3</sub>	56-81-5	n-Propyl iodide	C <sub>3</sub> H <sub>7</sub> I	107-08-4
1,2,3-Propanetriol-d <sub>3</sub>	C <sub>3</sub> H <sub>5</sub> D <sub>3</sub> O <sub>3</sub>	7325-16-8	n-Propyl mercaptan	C <sub>3</sub> H <sub>8</sub> S	107-03-5
Propanoic acid	C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	79-09-4	Propyl methanoate	C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	110-74-7
1-Propanol	C <sub>3</sub> H <sub>8</sub> O	71-23-8	n-Propyl methyl ketone	C <sub>5</sub> H <sub>10</sub> O	107-87-5
2-Propanol	C <sub>3</sub> H <sub>8</sub> O	67-63-0	Propyl N-phenylcarbamate	C <sub>10</sub> H <sub>13</sub> NO <sub>2</sub>	5532-90-1
Propanone	C <sub>3</sub> H <sub>6</sub> O	67-64-1	n-Propyl propanoate	C <sub>6</sub> H <sub>12</sub> O <sub>2</sub>	106-36-5
Propanone clathrate hydrate	C <sub>3</sub> H <sub>6</sub> O·17H <sub>2</sub> O	18879-06-6	Propyl propionate	C <sub>6</sub> H <sub>12</sub> O <sub>2</sub>	106-36-5
Propanoyl chloride	C <sub>3</sub> H <sub>5</sub> ClO	79-03-8	Propyl silicate	C <sub>12</sub> H <sub>28</sub> O <sub>3</sub> Si	682-01-5
Propene	C <sub>3</sub> H <sub>6</sub>	115-07-1	n-Propylurea	C <sub>4</sub> H <sub>10</sub> N <sub>2</sub> O	627-06-5
Propene polysulfone	(C <sub>3</sub> H <sub>6</sub> O <sub>2</sub> S) <sub>n</sub>	30475-44-6	Pseudocumene	C <sub>9</sub> H <sub>12</sub>	95-63-6
2-Propen-1-ol	C <sub>3</sub> H <sub>6</sub> O	107-18-6	Pulegone	C <sub>10</sub> H <sub>16</sub> O	89-82-7
2-Propenyl ethanoate	C <sub>5</sub> H <sub>8</sub> O <sub>2</sub>	591-87-7	Purine	C <sub>5</sub> H <sub>4</sub> N <sub>4</sub>	120-73-0
$\beta$ -Propiolactone	C <sub>3</sub> H <sub>4</sub> O <sub>2</sub>	57-57-8	Pyrazine	C <sub>4</sub> H <sub>4</sub> N <sub>2</sub>	290-37-5
Propionic acid	C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	79-09-4	Pyrazole	C <sub>3</sub> H <sub>4</sub> N <sub>2</sub>	288-13-1
Propionitrile	C <sub>3</sub> H <sub>5</sub> N	107-12-0	Pyrene	C <sub>16</sub> H <sub>10</sub>	129-00-0
4-Propionyl-4'-n-butanoyloxyazobenzene	C <sub>10</sub> H <sub>10</sub> N <sub>2</sub> O <sub>3</sub>	76204-68-7	Pyrene-picric acid	C <sub>22</sub> H <sub>13</sub> N <sub>3</sub> O <sub>7</sub>	1732-41-8
Propionyl chloride	C <sub>3</sub> H <sub>5</sub> ClO	79-03-8	Pyrene-pyromellitic dianhydride charge transfer complex	C <sub>26</sub> H <sub>12</sub> O <sub>6</sub>	6863-59-5
4-Propionyl-4'-n-decanoyloxyazobenzene	C <sub>25</sub> H <sub>32</sub> N <sub>2</sub> O <sub>3</sub>	76204-62-1	Pyridine	C <sub>5</sub> H <sub>5</sub> N	110-86-1
4-Propionyl-4'-n-dodecanoxyazobenzene	C <sub>27</sub> H <sub>36</sub> N <sub>2</sub> O <sub>3</sub>	76204-60-9	Pyridium hexafluorophosphate	C <sub>5</sub> H <sub>6</sub> F <sub>6</sub> NP	16941-15--
4-Propionyl-4'-n-heptadecanoxyazobenzene	C <sub>32</sub> H <sub>46</sub> N <sub>2</sub> O <sub>3</sub>	76204-55-2	Pyridium iodide	C <sub>5</sub> H <sub>6</sub> IN	18820-83-2
4-Propionyl-4'-n-heptanoyloxyazobenzene	C <sub>22</sub> H <sub>26</sub> N <sub>2</sub> O <sub>3</sub>	76204-65-4	Pyrocatechin	C <sub>6</sub> H <sub>6</sub> O <sub>2</sub>	120-80-5
4-Propionyl-4'-n-hexadecanoxyazobenzene	C <sub>31</sub> H <sub>44</sub> N <sub>2</sub> O <sub>3</sub>	76204-56-3	Pyromellitic dianhydride	C <sub>10</sub> H <sub>20</sub> O <sub>6</sub>	89-32-7
4-Propionyl-4'-n-hexanoyloxyazobenzene	C <sub>21</sub> H <sub>24</sub> N <sub>2</sub> O <sub>3</sub>	76204-66-5	Pyrotartaric acid	C <sub>5</sub> H <sub>8</sub> O <sub>4</sub>	498-21-5
4-Propionyl-4'n-n-onanoyloxyazobenzene	C <sub>24</sub> H <sub>30</sub> N <sub>2</sub> O <sub>3</sub>	76204-63-2	Pyrrole	C <sub>4</sub> H <sub>5</sub> N	109-97-7
4-Propionyl-4'-n-octadecanoxyazobenzene	C <sub>33</sub> H <sub>48</sub> N <sub>2</sub> O <sub>3</sub>	76212-79-8	Pyrrolidine	C <sub>4</sub> H <sub>9</sub> N	123-75-1
4-Propionyl-4'-n-octanoyloxyazobenzene	C <sub>23</sub> H <sub>28</sub> N <sub>2</sub> O <sub>3</sub>	76204-64-3	Pyrrolidine-2-carboxylic acid(L)	C <sub>5</sub> H <sub>6</sub> NO <sub>2</sub>	147-85-5
4-Propionyl-4'-n-pentadecanoxyazobenzene	C <sub>30</sub> H <sub>42</sub> N <sub>2</sub> O <sub>3</sub>	76204-57-4	2-Pyrrolidone	C <sub>4</sub> H <sub>7</sub> NO	616-45-5
4-Propionyl-4'-n-tetradecanoxyazobenzene	C <sub>29</sub> H <sub>40</sub> N <sub>2</sub> O <sub>3</sub>	76204-58-5	$\alpha$ -Pyrrolidone	C <sub>4</sub> H <sub>7</sub> NO	616-45-5
4-Propionyl-4'-n-tridecanoxyazobenzene	C <sub>28</sub> H <sub>38</sub> N <sub>2</sub> O <sub>3</sub>	76204-59-6	Pyrrolyl manganese tricarbonyl	C <sub>7</sub> H <sub>4</sub> MnNO <sub>3</sub>	32761-36-7
4-Propionyl-4'-n-undecanoxyazobenzene	C <sub>26</sub> H <sub>34</sub> N <sub>2</sub> O <sub>3</sub>	76204-30-9	Quadracyclane	C <sub>7</sub> H <sub>8</sub>	278-06-8
2-Propoxyethanol	C <sub>3</sub> H <sub>13</sub> O <sub>2</sub>	2807-30-9	m-Quaterphenyl	C <sub>24</sub> H <sub>18</sub>	1166-18-3
			p-Quaterphenyl	C <sub>24</sub> H <sub>18</sub>	135-70-6
			Quinhydrone	C <sub>12</sub> H <sub>10</sub> O <sub>4</sub>	106-34-3
			Quinoline	C <sub>9</sub> H <sub>7</sub> N	91-22-5
			$\beta$ -Quinol carbon monoxide clathrate	C <sub>18</sub> H <sub>18</sub> O <sub>6</sub> ·0.460CO	unavailable
			$\beta$ -Quinol-methane clathrate	C <sub>18</sub> H <sub>18</sub> O <sub>6</sub>	unavailable

Q

Quinone	C <sub>6</sub> H <sub>4</sub> O <sub>2</sub>	106-51-4	Styphnic acid	C <sub>6</sub> H <sub>3</sub> N <sub>3</sub> O <sub>8</sub>	82-71-3
<i>p</i> -Quinquephenyl	C <sub>30</sub> H <sub>22</sub>	3073-05-0	Styrene	C <sub>8</sub> H <sub>8</sub>	100-42-5
Quinuclidine	C <sub>7</sub> H <sub>13</sub> N	100-76-5	Styrene- <i>d</i> <sub>3</sub>	C <sub>8</sub> D <sub>8</sub>	19361-62-7
<b>R</b>					
R227	C <sub>3</sub> HF <sub>7</sub>	431-89-0	Suberic acid	C <sub>8</sub> H <sub>14</sub> O <sub>4</sub>	505-48-6
RDX	C <sub>7</sub> H <sub>6</sub> N <sub>6</sub> O <sub>6</sub>	121-82-4	Succinamide	C <sub>4</sub> H <sub>8</sub> N <sub>2</sub> O <sub>2</sub>	110-14-5
Resorcin	C <sub>6</sub> H <sub>6</sub> O <sub>2</sub>	108-46-3	Succinic acid	C <sub>4</sub> H <sub>6</sub> O <sub>4</sub>	110-15-6
Resorcinol	C <sub>6</sub> H <sub>6</sub> O <sub>2</sub>	108-46-3	Succinimide	C <sub>4</sub> H <sub>5</sub> NO <sub>2</sub>	123-56-8
Retene	C <sub>18</sub> H <sub>18</sub>	483-65-8	Succinonitrile	C <sub>4</sub> H <sub>4</sub> N <sub>2</sub>	110-61-2
Ribitol	C <sub>5</sub> H <sub>12</sub> O <sub>5</sub>	488-81-3	Sucrose	C <sub>12</sub> H <sub>22</sub> O <sub>11</sub>	57-50-1
Ribose(D)	C <sub>5</sub> H <sub>10</sub> O <sub>5</sub>	50-69-1	Tartaric acid	C <sub>4</sub> H <sub>6</sub> O <sub>6</sub>	87-69-4
Rigidex 50 polymer	(CH <sub>2</sub> ) <sub>n</sub>	9002-88-4	Taurine	C <sub>2</sub> H <sub>7</sub> NO <sub>3</sub> S	107-35-7
Rochelle salt	C <sub>4</sub> H <sub>4</sub> KNaO <sub>6</sub> ·4H <sub>2</sub> O	6381-59-5	Teflon	(C <sub>2</sub> F <sub>4</sub> ) <sub>n</sub>	9002-84-0
Rubber	(C <sub>5</sub> H <sub>8</sub> ) <sub>n</sub>	9003-31-0	Teflon, annealed	(C <sub>2</sub> F <sub>4</sub> ) <sub>n</sub>	9002-84-0
Rubidium butyrate	C <sub>4</sub> H <sub>9</sub> O <sub>2</sub> Rb	38869-23-7	Teflon, drawn	(C <sub>2</sub> F <sub>4</sub> ) <sub>n</sub>	9002-84-0
Rubidium formate	CHO <sub>2</sub> Rb	3495-35-0	Teflon, molded	(C <sub>2</sub> F <sub>4</sub> ) <sub>n</sub>	9002-84-0
Rubidium propionate	C <sub>3</sub> H <sub>5</sub> O <sub>2</sub> Rb	19559-54-7	Teflon, powder	(C <sub>2</sub> F <sub>4</sub> ) <sub>n</sub>	9002-84-0
Rubidium tetraphenyl borate	C <sub>24</sub> H <sub>20</sub> BRb	5971-93-7	Teflon, quenched	(C <sub>2</sub> F <sub>4</sub> ) <sub>n</sub>	9002-84-0
Rubidium tetr phenyl boron	C <sub>24</sub> I <sub>20</sub> BRb	5971-93-7	Tellurophenic chromium		
Ruthenocene	C <sub>10</sub> H <sub>10</sub> Ru	1287-13-4	tricarbonyl	C <sub>7</sub> H <sub>6</sub> CrO <sub>3</sub> Te	39015-36-6
<b>S</b>					
Sabinene	C <sub>10</sub> H <sub>16</sub>	3387-41-5	<i>m</i> -Tercylcohexyl	C <sub>18</sub> H <sub>32</sub>	1706-50-9
Salicylaldehyde	C <sub>7</sub> H <sub>6</sub> O <sub>2</sub>	90-02-8	<i>o</i> -Tercylcohexyl	C <sub>18</sub> H <sub>32</sub>	2456-43-1
Salicylic acid	C <sub>7</sub> H <sub>6</sub> O <sub>3</sub>	121-91-5	<i>p</i> -Tercylcohexyl	C <sub>18</sub> H <sub>32</sub>	1795-19-3
Salicylic acid-acetamide complex	C <sub>9</sub> H <sub>11</sub> NO <sub>4</sub>	unavailable	Terephthal- <i>bis-n</i> -butylaniline	C <sub>28</sub> H <sub>32</sub> N <sub>2</sub>	29743-21-3
N-Salicylidene- $\beta$ -alanine	C <sub>10</sub> H <sub>11</sub> NO <sub>3</sub>	34295-85-7	Terephthalic acid	C <sub>8</sub> H <sub>6</sub> O <sub>4</sub>	569-51-7
N-Salicylidene- <i>m</i> -aminobenzoic acid	C <sub>14</sub> H <sub>11</sub> NO <sub>3</sub>	841-12-3	Terephthalic bisamidrazone	C <sub>8</sub> H <sub>12</sub> N <sub>6</sub>	19173-40-1
Samarium isothiocyanate hexahydrate	C <sub>3</sub> N <sub>3</sub> S <sub>3</sub> Sm·6H <sub>2</sub> O	113614-84-9	Terephthalodinitrile	C <sub>8</sub> H <sub>4</sub> N <sub>2</sub>	623-26-7
Sarcosine	C <sub>3</sub> H <sub>7</sub> NO <sub>2</sub>	107-97-1	Terephthaloyl dichloride	C <sub>8</sub> H <sub>4</sub> Cl <sub>2</sub> O <sub>2</sub>	100-20-9
Scandium ethanoate	C <sub>6</sub> H <sub>9</sub> O <sub>6</sub> Sc	3804-23-7	Terephthalyl chloride	C <sub>8</sub> H <sub>4</sub> Cl <sub>2</sub> O <sub>2</sub>	100-20-9
Sebacic acid	C <sub>10</sub> H <sub>18</sub> O <sub>4</sub>	111-20-6	<i>m</i> -Terphenyl	C <sub>18</sub> H <sub>14</sub>	92-06-8
$\beta$ -Selenodiglycol	C <sub>4</sub> H <sub>10</sub> O <sub>2</sub> Se	27974-49-8	<i>o</i> -Terphenyl	C <sub>18</sub> H <sub>14</sub>	84-15-1
Selenophene	C <sub>4</sub> H <sub>4</sub> Se	288-05-1	<i>p</i> -Terphenyl	C <sub>18</sub> H <sub>14</sub>	92-94-4
Selenophene chromium tricarbonyl	C <sub>7</sub> H <sub>4</sub> CrO <sub>3</sub> Se	12078-16-9	<i>p</i> -Terphenyl- <i>d</i> <sub>14</sub>	C <sub>18</sub> D <sub>14</sub>	1718-51-0
Semicarbazide	CH <sub>5</sub> N <sub>3</sub> O	57-56-7	3,3',4,4'-Tetraaminodiphenyl ether	C <sub>12</sub> H <sub>14</sub> N <sub>4</sub> O	2676-59-7
Semicarbazide hydrochloride	CH <sub>6</sub> CIN <sub>3</sub> O	563-41-7	3,3',4,4'-Tetraaminodiphenyl oxide	C <sub>12</sub> H <sub>14</sub> N <sub>4</sub> O	2676-59-7
Serine(DL)	C <sub>5</sub> H <sub>11</sub> NO <sub>3</sub>	302-84-1	Tetraamylstannane	C <sub>20</sub> H <sub>44</sub> Sn	3765-65-9
Serine(L)	C <sub>5</sub> H <sub>11</sub> NO <sub>3</sub>	56-45-1	Tetraamyl tin	C <sub>20</sub> H <sub>44</sub> Sn	3765-65-9
Silicon tetramethyl	C <sub>4</sub> H <sub>12</sub> Si	75-76-3	1,4,8,11-Tetraazacyclotetradecane	C <sub>10</sub> H <sub>24</sub> N <sub>4</sub>	295-37-4
Silver phenylacetylenide	C <sub>8</sub> H <sub>5</sub> Ag	33440-88-9	1,4,8,11-Tetraazacyclotetradecane	C <sub>10</sub> H <sub>24</sub> N <sub>4</sub> ·Cu(NO <sub>3</sub> ) <sub>2</sub>	73746-94-8
$\beta$ -Sitosterol	C <sub>29</sub> H <sub>50</sub> O	83-46-5	copper (II) nitrate	C <sub>6</sub> H <sub>12</sub> N <sub>4</sub>	100-97-0
Sodium acetate	C <sub>2</sub> H <sub>3</sub> NaO <sub>2</sub>	127-09-3	1,3,5,7-Tetraazatricyclo[3.3.1.1 <sup>3,7</sup> ]decane	C <sub>6</sub> H <sub>2</sub> Br <sub>4</sub>	636-28-2
Sodium acetate trihydrate	C <sub>2</sub> H <sub>3</sub> NaO <sub>2</sub> ·3H <sub>2</sub> O	6131-90-4	1,2,4,5-Tetrabromobenzene		558-13-4
Sodium butyrate	C <sub>4</sub> H <sub>7</sub> NaO <sub>2</sub>	156-54-7	Tetrabromomethane	C <sub>2</sub> H <sub>2</sub> Br <sub>4</sub>	79-27-6
Sodium ethanoate	C <sub>2</sub> H <sub>3</sub> NaO <sub>2</sub>	127-09-3	Tetrabutoxytitanium	C <sub>16</sub> H <sub>36</sub> O <sub>4</sub> Ti	5593-70-4
Sodium formate	CHNaO <sub>2</sub>	141-53-7	Tetra- <i>n</i> -butylammonium bromide	C <sub>16</sub> H <sub>36</sub> BrN	1643-19-2
Sodium methanoate	CHNaO <sub>2</sub>	141-53-7	Tetrabutyl silicate	C <sub>16</sub> H <sub>36</sub> O <sub>4</sub> Si	4766-57-8
Sodium methoxide	CH <sub>3</sub> NaO	124-41-4	1,2,3,4-Tetrachlorobenzene	C <sub>6</sub> H <sub>2</sub> Cl <sub>4</sub>	634-66-2
Sodium <i>p</i> -nitrophenoxide dihydrate	C <sub>6</sub> H <sub>4</sub> NNaO <sub>3</sub> ·2H <sub>2</sub> O	42083-62-5	1,2,3,5-Tetrachlorobenzene	C <sub>6</sub> H <sub>2</sub> Cl <sub>4</sub>	634-90-2
Sodium oxalate	C <sub>2</sub> Na <sub>2</sub> O <sub>4</sub>	62-76-0	Tetrachlorobis-(butylammonium) manganese II	C <sub>8</sub> H <sub>24</sub> Cl <sub>4</sub> MnN <sub>2</sub>	58675-48-2
$\beta$ -Sodium palmitate	C <sub>16</sub> H <sub>31</sub> NaO <sub>2</sub> ·0.1H <sub>2</sub> O	408-35-5	Tetrachlorobis-(decylammonium) manganese II	C <sub>20</sub> H <sub>48</sub> Cl <sub>4</sub> MnN <sub>2</sub>	53188-91-3
$\delta$ -Sodium palmitate	C <sub>16</sub> H <sub>31</sub> NaO <sub>2</sub>	408-35-5	Tetrachlorobis-(deuteromethylammonium) manganese II	C <sub>2</sub> H <sub>6</sub> Cl <sub>4</sub> D <sub>6</sub> MnN <sub>2</sub>	unavailable
$\epsilon$ -Sodium palmitate	C <sub>16</sub> H <sub>31</sub> NaO <sub>2</sub> ·0.482H <sub>2</sub> O	408-35-5	Tetrachlorobis-(ethylammonium) manganese II	C <sub>4</sub> H <sub>16</sub> Cl <sub>4</sub> MnN <sub>2</sub>	12070-79-0
$\omega$ -Sodium palmitate	C <sub>16</sub> H <sub>31</sub> NaO <sub>2</sub>	408-35-5	Tetrachlorobis-(methylammonium) manganese II	C <sub>2</sub> H <sub>12</sub> CdCl <sub>4</sub> N <sub>2</sub>	53188-86-6
Sodium potassium tartrate tetrahydrate	C <sub>4</sub> H <sub>4</sub> NNaO <sub>3</sub> ·2H <sub>2</sub> O	42083-62-5	Tetrachlorobis-(pentylammonium) manganese II	C <sub>3</sub> H <sub>12</sub> Cl <sub>4</sub> MnN <sub>2</sub>	12121-86-7
Sodium propanoate	C <sub>3</sub> H <sub>5</sub> NaO <sub>2</sub>	137-53-7	Tetrachlorobis-(propeneammonium) manganese II	C <sub>10</sub> H <sub>28</sub> Cl <sub>4</sub> MnN <sub>2</sub>	58675-49-3
Sodium succinate	C <sub>4</sub> H <sub>6</sub> Na <sub>2</sub> O <sub>4</sub>	150-90-3	Tetrachlorobis-(2-propeneammonium) cadmium II	C <sub>6</sub> H <sub>16</sub> CdCl <sub>4</sub> N <sub>2</sub>	82794-54-5
Sorbitol(D)	C <sub>6</sub> H <sub>14</sub> O <sub>6</sub>	50-70-4			
Sorbose(L)	C <sub>6</sub> H <sub>12</sub> O <sub>6</sub>	87-79-6			
Spiropentane	C <sub>5</sub> H <sub>8</sub>	157-40-4			
Squaric acid	C <sub>4</sub> H <sub>2</sub> O <sub>4</sub>	2892-51-5			
Stearic acid	C <sub>18</sub> H <sub>36</sub> O <sub>2</sub>	57-11-4			
Stilbene	C <sub>14</sub> H <sub>12</sub>	588-59-0			
<i>trans</i> -Stilbene	C <sub>14</sub> H <sub>12</sub>	103-30-0			
Strontrium dicalcium propionate	C <sub>18</sub> H <sub>30</sub> Ca <sub>2</sub> O <sub>12</sub> Sr	54993-39-4			

Tetrachlorobis-( <i>n</i> -propylammonium) cadmium II	C <sub>6</sub> H <sub>20</sub> CdCl <sub>4</sub> N <sub>2</sub>	53188-87-7	Tetraiodomethane	Cl <sub>4</sub>	507-25-5
Tetrachlorobis-( <i>n</i> -propylammonium) manganese II	C <sub>6</sub> H <sub>20</sub> Cl <sub>2</sub> MnN <sub>2</sub>	52495-27-9	Tetrakis(μ <sub>3</sub> -methoxo-2,4-pentanedionato(methanol) nickel (II)	C <sub>28</sub> H <sub>56</sub> Ni <sub>4</sub> O <sub>16</sub>	18432-56-5
1,1,1,2-Tetrachlorodifluoroethane	C <sub>2</sub> Cl <sub>2</sub> F <sub>2</sub>	76-11-9	Tetrakis(methylamine)platinum dibromide	C <sub>4</sub> H <sub>20</sub> Br <sub>2</sub> N <sub>4</sub> Pt	15273-28-6
1,1,2,2-Tetrachloro-1,2-difluoroethane	C <sub>2</sub> Cl <sub>2</sub> F <sub>2</sub>	76-12-0	trans-Tetrakis(methylamine)platinum tetrabromide	C <sub>4</sub> H <sub>20</sub> Br <sub>4</sub> N <sub>4</sub> Pt	131415-64-0
1,1,2,2-Tetrachloroethane	C <sub>2</sub> H <sub>2</sub> Cl <sub>4</sub>	79-34-5	Tetrakis(methylthia)methane	C <sub>5</sub> H <sub>12</sub> S <sub>4</sub>	6156-25-5
Tetrachloroethene	C <sub>2</sub> Cl <sub>4</sub>	127-18-4	Tetrakis(pentane-2,4-dionato)zirconium(IV)	C <sub>20</sub> H <sub>28</sub> O <sub>8</sub> Zr	17501-44-1
Tetrachloroethylene	C <sub>2</sub> Cl <sub>4</sub>	127-18-4	Tetrakis(1,1,1-trifluoropentane-2,4-dionato)zirconium(IV)	C <sub>20</sub> H <sub>16</sub> F <sub>12</sub> O <sub>8</sub> Zr	17499-68-
Tetrachloromethane	CCl <sub>4</sub>	56-23-5	Tetra-μ <sub>3</sub> -methoxy-tetrakis-[salicylaldehydato(methanol)nickel(II)]	C <sub>36</sub> H <sub>48</sub> Ni <sub>4</sub> O <sub>16</sub>	18432-56-1
1,1,1,3-Tetrachloropropane	C <sub>3</sub> H <sub>4</sub> Cl <sub>4</sub>	1070-78-6	Tetramethylammonium bromide	C <sub>4</sub> H <sub>12</sub> BrN	64-20-1
<i>n</i> -Tetracosane	C <sub>24</sub> H <sub>50</sub>	646-31-1	Tetramethylammonium chloride	C <sub>4</sub> H <sub>12</sub> CIN	75-57-1
1,2,4,5-Tetracyanobenzene	C <sub>10</sub> H <sub>2</sub> N <sub>4</sub>	712-74-3	Tetramethylammonium		
1,2,4,5-Tetracyanobenzene-pyrene complex	C <sub>26</sub> H <sub>12</sub> N <sub>4</sub>	7371-17-7	hexacyanotrimethylenecyclopropane	C <sub>16</sub> H <sub>12</sub> N <sub>7</sub>	89187-04-
Tetracyclo[3.2.0.0 <sup>2,7</sup> .0 <sup>4,6</sup> ]heptane	C <sub>7</sub> H <sub>8</sub>	278-06-8	Tetramethylammonium hydrogen dichloride	C <sub>4</sub> H <sub>13</sub> Cl <sub>2</sub> N	5906-64-1
Tetracyclopoly succinonitrile	C <sub>16</sub> H <sub>20</sub> N <sub>2</sub>	19219-01-3	Tetramethylammonium iodide	C <sub>4</sub> H <sub>12</sub> IN	75-58-
<i>n</i> -Tetradecane	C <sub>14</sub> H <sub>30</sub>	629-59-4	Tetramethylammonium platinum iodide	C <sub>4</sub> H <sub>20</sub> I <sub>2</sub> N <sub>4</sub> Pt	131145-80-
1-Tetradecanethiol	C <sub>14</sub> H <sub>30</sub> S	2079-95-0	Tetramethylammonium		
Tetradecanoic acid	C <sub>14</sub> H <sub>28</sub> O <sub>2</sub>	544-63-8	tetrabromozincate(II)	C <sub>8</sub> H <sub>24</sub> Br <sub>4</sub> N <sub>2</sub> Zn	2041-07-1
1-Tetradecanol	C <sub>14</sub> H <sub>30</sub> O	112-72-1	Tetramethylammonium		
2-Tetradecanone	C <sub>14</sub> H <sub>28</sub> O	2345-27-9	tetrachloroferrate(III)	C <sub>4</sub> H <sub>12</sub> Cl <sub>4</sub> FeN	15649-95-
1-Tetradecene-urea adduct	C <sub>24</sub> H <sub>6</sub> N <sub>2</sub> O	27610-35-1	Tetramethylammonium		
<i>n</i> -Tetradecyl alcohol	C <sub>14</sub> H <sub>30</sub> O	112-72-1	trichlorocadmate	C <sub>4</sub> H <sub>12</sub> CdCl <sub>3</sub> N	15976-91-1
<i>n</i> -Tetradecyl mercaptan	C <sub>14</sub> H <sub>30</sub> S	2079-95-0	Tetramethylammonium		
Tetraethylammonium bromide	C <sub>8</sub> H <sub>20</sub> BrN	71-91-0	trichloromanganate(II)	C <sub>4</sub> H <sub>12</sub> Cl <sub>3</sub> MnN	18616-15-
Tetraethylammonium iodide	C <sub>8</sub> H <sub>20</sub> IN	68-05-3	trichloromethylbenzene	C <sub>10</sub> H <sub>14</sub>	488-23-
Tetraethylammonium tetrabromoferrate	C <sub>8</sub> H <sub>20</sub> Br <sub>4</sub> FeN	21279-19-6	1,2,3,4-Tetramethylbenzene	C <sub>10</sub> H <sub>14</sub>	527-53-
Tetraethylammonium tetrachloroferrate	C <sub>8</sub> H <sub>20</sub> Cl <sub>4</sub> FeN	14240-75-6	1,2,4,5-Tetramethylbenzene	C <sub>10</sub> H <sub>14</sub>	95-93-
Tetraethylcarbamide	C <sub>9</sub> H <sub>20</sub> N <sub>2</sub> O	1187-03-7	2,3,4,5-Tetramethylbenzoic acid	C <sub>11</sub> H <sub>14</sub> O <sub>2</sub>	2529-39-
1,1,3,3-Tetraethyl-5,5-dimethylcyclotrisiloxane	C <sub>10</sub> H <sub>26</sub> O <sub>3</sub> Si <sub>3</sub>	110505-51-6	2,3,4,6-Tetramethylbenzoic acid	C <sub>11</sub> H <sub>14</sub> O <sub>2</sub>	2408-38-1
1,1,3,3-Tetraethyl-5,5-diphenylcyclotrisiloxane	C <sub>20</sub> H <sub>30</sub> O <sub>3</sub> Si <sub>3</sub>	108543-32-4	2,3,5,6-Tetramethylbenzoic acid	C <sub>11</sub> H <sub>14</sub> O <sub>2</sub>	2604-45-
Tetraethylene glycol	C <sub>5</sub> H <sub>12</sub> O <sub>5</sub>	112-60-7	2,4,5,7-Tetramethyl-4,5-bis(4- <i>tert</i> -butylphenyl)octane	C <sub>32</sub> H <sub>50</sub>	85668-75-
Tetraethylene pentamine	C <sub>8</sub> H <sub>22</sub> N <sub>5</sub>	112-57-2	2,2,3,3-Tetramethylbutane	C <sub>8</sub> H <sub>18</sub>	594-82-
Tetraethylgermane	C <sub>8</sub> H <sub>20</sub> Ge	597-63-7	Tetramethylcarbamide	C <sub>5</sub> H <sub>12</sub> N <sub>2</sub> O	632-22-
Tetraethyl lead	C <sub>8</sub> H <sub>20</sub> Pb	78-00-2	1,1,10,10-Tetramethylcyclooctadecane	C <sub>22</sub> H <sub>44</sub>	23014-56-
Tetraethylmethane	C <sub>9</sub> H <sub>20</sub>	1067-20-5	1,1,3,3-Tetramethyl-1,3-diphenylsiloxane	C <sub>16</sub> H <sub>22</sub> OSi <sub>2</sub>	56-33-
Tetraethyl silicate	C <sub>8</sub> H <sub>20</sub> O <sub>4</sub> Si	78-10-4	Tetramethyldisilacyclobutane	C <sub>6</sub> H <sub>16</sub> Si <sub>2</sub>	1627-98-
Tetraethylsilane	C <sub>8</sub> H <sub>20</sub> Si	631-36-7	1,1,3,3-Tetramethyl-1,3-disilacyclobutane	C <sub>6</sub> H <sub>16</sub> Si <sub>2</sub>	1627-98-
Tetraethyl silicon	C <sub>8</sub> H <sub>20</sub> Si	631-36-7	Tetramethylsilisletan	C <sub>6</sub> H <sub>16</sub> Si <sub>2</sub>	1627-98-
Tetraethyl tin	C <sub>5</sub> H <sub>20</sub> Sn	597-64-8	Tetramethylene	C <sub>6</sub> H <sub>12</sub>	563-78-1
Tetraethylurea	C <sub>9</sub> H <sub>20</sub> N <sub>2</sub> O	1187-03-7	Tetramethylgermane	C <sub>4</sub> H <sub>12</sub> Ge	865-52-
Tetrafluorethene	C <sub>2</sub> F <sub>4</sub>	116-14-3	3,7,11,15-Tetramethyl-1-hexadecen-3-ol	C <sub>20</sub> H <sub>38</sub> O	60046-87-
1,2,3,4-Tetrafluorobenzene	C <sub>6</sub> H <sub>5</sub> F <sub>4</sub>	551-62-2	3,7,11,15-Tetramethyl-1-hexadecen-3-ol	C <sub>20</sub> H <sub>38</sub> O	29171-23-
1,2,3,5-Tetrafluorobenzene	C <sub>6</sub> H <sub>5</sub> F <sub>4</sub>	2367-82-0	1,3,5,7-Tetramethyl-2,4,6,8,9,10-hexathiaadamantane	C <sub>8</sub> H <sub>12</sub> S <sub>6</sub>	6327-74-1
1,2,4,5-Tetrafluorobenzene	C <sub>6</sub> H <sub>5</sub> F <sub>4</sub>	327-54-8	2,2,5,5-Tetramethylhex-3-ene	C <sub>10</sub> H <sub>20</sub>	22808-06-
Tetrafluoroethylene	C <sub>2</sub> F <sub>4</sub>	116-14-3	1,1,4,7-Tetramethylindan	C <sub>13</sub> H <sub>18</sub>	1078-04-
Tetrafluoromethane	CF <sub>4</sub>	75-73-0	1,1,4,6-Tetramethylindan	C <sub>13</sub> H <sub>18</sub>	941-60-
Tetra- <i>n</i> -hexylammonium perchlorate	C <sub>24</sub> H <sub>52</sub> ClO <sub>4</sub>	4656-81-9	Tetramethyl lead	C <sub>4</sub> H <sub>12</sub> Pb	75-74-
1,2,3,4-Tetrahydroanthracene	C <sub>14</sub> H <sub>14</sub>	2141-42-6	2,2,4,4-Tetramethyl-3-oxapentane	C <sub>8</sub> H <sub>18</sub> O	6163-66-
<i>exo</i> -Tetrahydronyclopentadiene	C <sub>10</sub> H <sub>16</sub>	2825-82-3	2,6,10,14-Tetramethylpentadecane	C <sub>19</sub> H <sub>36</sub>	1921-70-
Tetrahydrofuran	C <sub>4</sub> H <sub>8</sub> O	109-99-9	2,2,4,4-Tetramethylpentan-3-ol	C <sub>9</sub> H <sub>20</sub> O	14609-79-
Tetrahydrofuran clathrate hydrate	C <sub>4</sub> H <sub>8</sub> O <sub>17</sub> H <sub>2</sub> O	18879-05-5	2,2,3,3-Tetramethylpentane	C <sub>9</sub> H <sub>20</sub>	7154-79-
Tetrahydrofurfuryl alcohol	C <sub>5</sub> H <sub>10</sub> O <sub>2</sub>	97-99-4	2,2,4,4-Tetramethylpentane	C <sub>9</sub> H <sub>20</sub>	1070-87-
Tetrahydro-1,4-isoxazine	C <sub>4</sub> H <sub>9</sub> NO	110-91-8	N,N,N',N'-Tetramethyl- <i>p</i> -phenylene-diamine perchlorate	C <sub>10</sub> H <sub>16</sub> N <sub>2</sub> ClO <sub>4</sub>	38668-38-
1,2,3,4-Tetrahydro-9-methylcarbazole	C <sub>13</sub> H <sub>15</sub> N	6303-88-4	2,4,6,8-Tetramethyl-2,4,6,8-tetraphenyl-cyclosiloxane	C <sub>28</sub> H <sub>32</sub> Si <sub>4</sub> O <sub>4</sub>	77-63--
1,2,3,4-Tetrahydronaphthalene	C <sub>10</sub> H <sub>11</sub>	119-64-2	Tetramethyl silane	C <sub>4</sub> H <sub>12</sub> Si	75-76-2
1,2,3,4-Tetrahydronaphthalene	C <sub>14</sub> H <sub>14</sub>	1013-08-7	Tetramethyl silicate	C <sub>4</sub> H <sub>12</sub> O <sub>4</sub> Si	681-84-5
Tetrahydrophthalic anhydride	C <sub>8</sub> H <sub>8</sub> O <sub>3</sub>	85-43-8	Tetramethyl stannane	C <sub>4</sub> H <sub>12</sub> Sn	594-27--
Tetrahydropyran	C <sub>5</sub> H <sub>10</sub> O	142-68-7	Tetramethylsuccinic acid	C <sub>8</sub> H <sub>14</sub> O <sub>4</sub>	630-51-3
Tetrahydropyran-2-methanol	C <sub>6</sub> H <sub>11</sub> O <sub>2</sub>	100-72-1	Tetramethylsuccinonitrile	C <sub>8</sub> H <sub>12</sub> N <sub>2</sub>	3333-52-6
4,5,9,10-Tetrahydropyrene	C <sub>16</sub> H <sub>14</sub>	781-17-9	1,1,3,3-Tetramethyl-5,5,7,7-tetraphenyl-cyclotetrasiloxane	C <sub>28</sub> H <sub>32</sub> O <sub>4</sub> Si <sub>4</sub>	1693-47-6
1,4,5,6-Tetrahydropyrimidine	C <sub>4</sub> H <sub>8</sub> N <sub>2</sub>	1606-49-1			
1,2,3,4-Tetrahydroquinoline	C <sub>9</sub> H <sub>11</sub> N	635-46-1			
5,6,7,8-Tetrahydroquinoline	C <sub>9</sub> H <sub>11</sub> N	10500-57-9			
1,2,3,4-Tetrahydroxybutane	C <sub>4</sub> H <sub>10</sub> O <sub>4</sub>	149-32-6			

1,3,5,7'-Tetramethyl-1',3',5,7-tetraphenylcyclotetrasiloxane	C <sub>28</sub> H <sub>32</sub> O <sub>4</sub> Si <sub>4</sub>	77-63-4	Thiazole	C <sub>3</sub> H <sub>3</sub> NS	288-47-1
1,3,5,7-Tetramethyl-2,4,6,8-tetrathiad adamantane	C <sub>10</sub> H <sub>16</sub> S <sub>4</sub>	7000-79-5	Thioacetamide	C <sub>2</sub> H <sub>5</sub> NS	62-55-5
Tetramethylthiuram disulfide	C <sub>6</sub> H <sub>12</sub> N <sub>2</sub> S <sub>4</sub>	137-26-8	Thiobenzamide	C <sub>7</sub> H <sub>7</sub> NS	2227-79-4
Tetramethylthiuram monosulfide	C <sub>6</sub> H <sub>12</sub> N <sub>2</sub> S <sub>3</sub>	97-74-5	Thiocarbohydrazide	CH <sub>6</sub> N <sub>4</sub> S	2231-57-4
Tetramethyl tin	C <sub>4</sub> H <sub>12</sub> Sn	594-27-4	β-Thiolactic acid	C <sub>3</sub> H <sub>6</sub> O <sub>2</sub> S	107-96-0
Tetramethylurea	C <sub>5</sub> H <sub>12</sub> N <sub>2</sub> O	632-22-4	3-Thiolpropanoic acid	C <sub>3</sub> H <sub>6</sub> O <sub>2</sub> S	107-96-0
2,4,6,N-Tetranitroethylaniline	C <sub>8</sub> H <sub>7</sub> N <sub>5</sub> O <sub>8</sub>	6052-13-7	Thiophene	C <sub>4</sub> H <sub>6</sub> S	110-02-1
2,4,6,N-Tetranitro-N-methyltoluidine	C <sub>8</sub> H <sub>7</sub> N <sub>5</sub> O <sub>8</sub>	43072-20-4	Thiophene chromium tricarbonyl	C <sub>7</sub> H <sub>4</sub> CrO <sub>3</sub> S	12078-15-8
1,3,5,7-Tetranitro-1,3,5,7-tetrazocine	C <sub>4</sub> H <sub>8</sub> N <sub>8</sub> O <sub>8</sub>	2691-41-0	Thiophenol	C <sub>6</sub> H <sub>6</sub> S	108-98-5
1,3,5,7-Tetranitro-1,3,5,7-cyclooctahydrotetrazocine	C <sub>4</sub> H <sub>8</sub> N <sub>8</sub> O <sub>8</sub>	2691-41-0	Thiosemicarbazide	CH <sub>3</sub> N <sub>3</sub> S	79-19-6
1,3,5,7-Tetranitro-1,3,5,7-cyclooctahydrotetrazocine(α)	C <sub>4</sub> H <sub>8</sub> N <sub>8</sub> O <sub>8</sub>	2691-41-0	Thiourea	CH <sub>4</sub> N <sub>2</sub> S	62-56-6
1,3,5,7-Tetranitro-1,3,5,7-cyclooctahydrotetrazocine(β)	C <sub>4</sub> H <sub>8</sub> N <sub>8</sub> O <sub>8</sub>	2691-41-0	Thiourea carbon tetrachloride inclusion compound	C <sub>3</sub> H <sub>12</sub> N <sub>6</sub> S <sub>3</sub> ·CCl <sub>4</sub>	70938-79-3
1,3,5,7-Tetranitro-1,3,5,7-cyclooctahydrotetrazocine(γ)	C <sub>4</sub> H <sub>8</sub> N <sub>8</sub> O <sub>8</sub>	2691-41-0	Thiourea-cycloheptane adduct	C <sub>10</sub> H <sub>26</sub> N <sub>6</sub> S <sub>3</sub>	39822-97-4
2,5,8,11-Tetraoxadodecane	C <sub>8</sub> H <sub>18</sub> O <sub>4</sub>	112-49-2	Thiourea-cyclohexane adduct	C <sub>9</sub> H <sub>24</sub> N <sub>6</sub> S <sub>3</sub>	33561-77-2
Tetrapentyltin	C <sub>20</sub> H <sub>44</sub> Sn	3765-65-9	Thiourea-cyclooctane adduct	C <sub>11</sub> H <sub>28</sub> N <sub>6</sub> S <sub>3</sub>	39822-99-6
1,1,1,2-Tetraphenylethane	C <sub>26</sub> H <sub>22</sub>	2294-94-2	Thiourea-2,2-dimethylbutane adduct	C <sub>9</sub> H <sub>26</sub> N <sub>6</sub> S <sub>3</sub>	39822-98-5
1,1,2,2-Tetraphenylethylene	C <sub>26</sub> H <sub>22</sub>	632-50-8	Thiourea-ferrocene	C <sub>13</sub> H <sub>22</sub> FeN <sub>6</sub> S <sub>3</sub>	54899-85-3
Tetraphenylethylene	C <sub>26</sub> H <sub>20</sub>	632-51-9	Thiourea nitrate	CH <sub>5</sub> N <sub>3</sub> O <sub>3</sub> S	55011-91-1
Tetraphenylmethane	C <sub>25</sub> H <sub>20</sub>	630-76-2	Thiourea 1,1,2,2-tetrachloroethane clathrate	(CH <sub>4</sub> N <sub>2</sub> S) <sub>3</sub> ·C <sub>2</sub> H <sub>2</sub> Cl <sub>4</sub>	145195-87-5
Tetraphenylsilane	C <sub>24</sub> H <sub>20</sub> Si	1048-08-4	Thioxanthone	C <sub>13</sub> H <sub>8</sub> OS	492-22-8
Tetraphenylstannane	C <sub>24</sub> H <sub>20</sub> Sn	595-90-4	Thymine	C <sub>5</sub> H <sub>6</sub> N <sub>2</sub> O <sub>2</sub>	65-71-4
Tetraphenyl tin	C <sub>24</sub> H <sub>20</sub> Sn	595-90-4	Tin tetraamyl	C <sub>20</sub> H <sub>44</sub> Sn	3765-65-9
Tetra-n-propylammonium iodide	C <sub>12</sub> H <sub>28</sub> IN	631-40-3	γ-TNT	C <sub>7</sub> H <sub>5</sub> N <sub>3</sub> O <sub>6</sub>	118-96-7
Tetrapropylene glycol	C <sub>12</sub> H <sub>26</sub> O <sub>5</sub>	25657-08-3	α-Tocopherol acetate	C <sub>31</sub> H <sub>52</sub> O <sub>3</sub>	58-95-7
Tetrapropyl silicate	C <sub>12</sub> H <sub>28</sub> O <sub>4</sub> Si	682-01-9	Toluene	C <sub>7</sub> H <sub>8</sub>	108-88-3
n-Tetratriaccontane	C <sub>34</sub> H <sub>70</sub>	14167-59-0	m-Toluic acid	C <sub>8</sub> H <sub>8</sub> O <sub>2</sub>	99-04-7
Tetrazole	CH <sub>2</sub> N <sub>4</sub>	288-94-8	o-Toluic acid	C <sub>8</sub> H <sub>8</sub> O <sub>2</sub>	118-90-1
Tetroxan	C <sub>4</sub> H <sub>8</sub> O <sub>4</sub>	293-30-1	p-Toluic acid	C <sub>8</sub> H <sub>8</sub> O <sub>2</sub>	99-94-5
Tetryl	C <sub>7</sub> H <sub>5</sub> N <sub>3</sub> O <sub>8</sub>	479-45-8	m-Toluidine	C <sub>7</sub> H <sub>9</sub> N	108-44-1
Tetryl-bis(trinitrotoluene) complex	C <sub>21</sub> H <sub>15</sub> N <sub>11</sub> O <sub>20</sub>	unavailable	o-Toluidine	C <sub>7</sub> H <sub>9</sub> N	95-53-4
Tetryl-picric acid complex	C <sub>13</sub> H <sub>8</sub> N <sub>4</sub> O <sub>15</sub>	unavailable	p-Toluidine	C <sub>7</sub> H <sub>9</sub> N	106-49-0
Thallium acetate	C <sub>2</sub> H <sub>3</sub> O <sub>2</sub> Tl	563-68-8	p-Toluidine-phenol complex	C <sub>13</sub> H <sub>15</sub> NO	14489-32-8
Thallium butyrate	C <sub>4</sub> H <sub>7</sub> O <sub>2</sub> Tl	63424-49-7	2,4-Toluenediisocyanate	C <sub>9</sub> H <sub>6</sub> N <sub>2</sub> O <sub>2</sub>	584-84-9
Thallium (I) n-decanoate	C <sub>10</sub> H <sub>19</sub> O <sub>2</sub> Tl	18993-51-6	Triacetamide nitrate	C <sub>6</sub> H <sub>16</sub> N <sub>4</sub> O <sub>6</sub>	54800-07-6
Thallium n-dodecanoate	C <sub>12</sub> H <sub>23</sub> O <sub>2</sub> Tl	18993-51-6	Triacetin	C <sub>9</sub> H <sub>14</sub> O <sub>6</sub>	102-76-1
Thallium formate	CHO <sub>2</sub> Tl	992-98-3	n-Triacontane	C <sub>30</sub> H <sub>62</sub>	638-68-6
Thallium heptanoate	C <sub>7</sub> H <sub>13</sub> O <sub>2</sub> Tl	34244-91-2	Tri-L-alanine	C <sub>9</sub> H <sub>17</sub> N <sub>3</sub> O <sub>4</sub>	5874-90-8
Thallium hexadecanoate	C <sub>16</sub> H <sub>31</sub> O <sub>2</sub> Tl	33734-55-3	Triamantane	C <sub>18</sub> H <sub>24</sub>	13349-10-5
Thallium hexanoate	C <sub>6</sub> H <sub>11</sub> O <sub>2</sub> Tl	34244-90-1	Triaquo hexacetate chromate chloride hexahydrate	C <sub>12</sub> H <sub>36</sub> ClCr <sub>3</sub> O <sub>22</sub>	12366-60-8
Thallium nonanoate	C <sub>9</sub> H <sub>17</sub> O <sub>2</sub> Tl	34244-92-3	s-Triazine	C <sub>3</sub> H <sub>3</sub> N <sub>3</sub>	290-87-9
Thallium octadecanoate	C <sub>18</sub> H <sub>35</sub> O <sub>2</sub> Tl	33734-56-4	Triazine triol	C <sub>3</sub> H <sub>4</sub> N <sub>3</sub> O <sub>3</sub>	108-80-5
Thallium octanoate	C <sub>8</sub> H <sub>15</sub> O <sub>2</sub> Tl	18993-50-5	1,2,4-Triazole	C <sub>2</sub> H <sub>3</sub> N <sub>3</sub>	288-88-0
Thallium pentanoate	C <sub>5</sub> H <sub>9</sub> O <sub>2</sub> Tl	34244-89-8	1,2,4-Triazol-3-one	C <sub>2</sub> H <sub>3</sub> N <sub>3</sub> O	930-33-6
Thallium propionate	C <sub>3</sub> H <sub>5</sub> O <sub>2</sub> Tl	63424-48-6	Tribenzyl-n-hexadecylsilane	C <sub>37</sub> H <sub>54</sub> Si	unavailable
Thallium tetradecanoate	C <sub>14</sub> H <sub>27</sub> O <sub>2</sub> Tl	18993-53-8	2,4,6-Tribromoaniline	C <sub>6</sub> H <sub>5</sub> Br <sub>3</sub> N	147-82-0
Thallium tridecanoate	C <sub>13</sub> H <sub>25</sub> O <sub>2</sub> Tl	80006-11-3	Tri bromomethane	CHBr <sub>3</sub>	75-25-2
Thallium undecanoate	C <sub>11</sub> H <sub>21</sub> O <sub>2</sub> Tl	34244-93-4	Triacetamide	C <sub>6</sub> H <sub>3</sub> Br <sub>3</sub> O	118-79-6
THAM	C <sub>4</sub> H <sub>11</sub> NO <sub>3</sub>	77-86-1	Tri-n-butylmethanol	C <sub>3</sub> H <sub>5</sub> Br <sub>3</sub>	96-11-7
Thiaadamantane	C <sub>9</sub> H <sub>14</sub> S	281-25-4	Tri-tert-butylphosphate	C <sub>13</sub> H <sub>28</sub>	35660-96-9
2-Thiabutane	C <sub>3</sub> H <sub>6</sub> S	624-89-5	Tributyrin	C <sub>13</sub> H <sub>28</sub> O	41902-42-5
Thiacyclobutane	C <sub>3</sub> H <sub>6</sub> S	287-27-4	Tricapron	C <sub>12</sub> H <sub>27</sub> O <sub>4</sub> P	126-73-8
Thiacyclohexane	C <sub>5</sub> H <sub>10</sub> S	1613-51-0	α,α,α-Trichloroacetaldehyde	C <sub>15</sub> H <sub>26</sub> O <sub>6</sub>	60-01-5
Thiacyclopentane	C <sub>4</sub> H <sub>8</sub> S	110-01-0	Trichloroacetic acid	C <sub>3</sub> H <sub>18</sub> O <sub>6</sub>	621-70-5
4-Thiaheptane	C <sub>6</sub> H <sub>14</sub> S	111-47-7	Trichlorobutanol	C <sub>2</sub> HCl <sub>3</sub> O	75-87-6
2-Thiahexane	C <sub>5</sub> H <sub>12</sub> S	628-29-5	2,2,2-Trichloroethanal	C <sub>2</sub> HCl <sub>3</sub> O <sub>2</sub>	76-03-9
3-Thiahexane	C <sub>5</sub> H <sub>12</sub> S	4110-50-3	1,1,1-Trichloroethane	C <sub>6</sub> H <sub>3</sub> Cl <sub>3</sub>	120-82-1
5-Thianonane	C <sub>8</sub> H <sub>18</sub> S	544-40-1	1,1,2-Trichloroethane	C <sub>4</sub> H <sub>5</sub> Cl <sub>3</sub> O	76-36-8
Thianthrene	C <sub>12</sub> H <sub>8</sub> S <sub>2</sub>	92-85-3	Trichloroethene	C <sub>2</sub> HCl <sub>3</sub> O	71-55-6
2-Thiapentane	C <sub>4</sub> H <sub>10</sub> S	3877-15-4	Trichloroethylene	C <sub>2</sub> HCl <sub>3</sub>	79-00-5
3-Thiapentane	C <sub>4</sub> H <sub>10</sub> S	352-93-2	Trichloromethane	CHCl <sub>3</sub>	79-01-6
2-Thiapropane	C <sub>2</sub> H <sub>6</sub> S	75-18-3	Trichloromethylsilane	CH <sub>3</sub> Cl <sub>3</sub> Si	67-66-3
					75-79-6

Trichlorophenylstannane	C <sub>6</sub> H <sub>5</sub> Cl <sub>3</sub> Sn	1124-19-2	Triglycine sulfate, deuterated	C <sub>6</sub> D <sub>17</sub> N <sub>3</sub> O <sub>10</sub> S	17237-73-1
1,2,3-Trichloropropane	C <sub>3</sub> H <sub>6</sub> Cl <sub>3</sub>	98-18-4	Triglycine sulfate-	C <sub>6</sub> H <sub>17</sub> N <sub>3</sub> O <sub>10</sub> S·C <sub>6</sub> H <sub>17</sub> N <sub>3</sub> O <sub>10</sub> Se	unavailable
<i>o</i> -Trichlorosilyl biphenyl	C <sub>12</sub> H <sub>9</sub> Cl <sub>3</sub> Si	18030-62-1	triglycine selenate	C <sub>8</sub> H <sub>18</sub> O <sub>4</sub>	112-49-1
<i>p</i> -Trichlorosilyl biphenyl	C <sub>12</sub> H <sub>9</sub> Cl <sub>3</sub> Si	18030-61-0	Triglyme	C <sub>6</sub> H <sub>10</sub> O <sub>3</sub>	77-99-1
$\beta$ -Trichlorosilylpropionitrile	C <sub>3</sub> H <sub>4</sub> Cl <sub>3</sub> NSi	1071-22-3	1,1,1-Trihydroxymethylpropane	C <sub>3</sub> H <sub>8</sub> O <sub>3</sub>	56-81-1
$\alpha,\alpha,\alpha$ -Trichlorotoluene	C <sub>7</sub> H <sub>6</sub> Cl <sub>3</sub>	98-07-7	1,2,3-Trihydroxypropane	C <sub>3</sub> H <sub>5</sub> D <sub>3</sub> O <sub>3</sub>	7325-16-1
1,3,5-Trichloro-2,4,6-trichlorobenzene	C <sub>6</sub> Cl <sub>3</sub> F <sub>3</sub>	319-88-0	1,2,3-Trihydroxypropane- <sub>d</sub> <sub>3</sub>	CHI <sub>3</sub>	75-47-1
1,1,1-Trichlorotrifluoroethane	C <sub>2</sub> Cl <sub>3</sub> F <sub>3</sub>	354-58-5	Triiodomethane	C <sub>12</sub> Fe <sub>3</sub> O <sub>12</sub>	17685-52-1
1,1,2-Trichloro-1,2,2-trifluoroethane	C <sub>2</sub> Cl <sub>3</sub> F <sub>3</sub>	76-13-1	Triiron dodecacarbonyl	C <sub>39</sub> H <sub>74</sub> O <sub>6</sub>	538-24-1
1,1,1-Trichloro-3,3,3-trifluoropropane	C <sub>3</sub> H <sub>2</sub> Cl <sub>3</sub> F <sub>3</sub>	7125-83-9	Trilauryl	C <sub>54</sub> H <sub>104</sub> O <sub>6</sub>	2438-40-1
1,3,5-Trichloro-2,4,6-trimethylbenzene	C <sub>9</sub> H <sub>9</sub> Cl <sub>3</sub>	5324-68-5	Trimargarin	C <sub>9</sub> H <sub>7</sub> O <sub>5</sub>	552-30-1
1,2,3-Trichloro-4,5,6-trimethylbenzene	C <sub>9</sub> H <sub>9</sub> Cl <sub>3</sub>	19219-81-9	Trimellitic anhydride	C <sub>5</sub> H <sub>9</sub> Al	75-24-1
<i>n</i> -Tricosane	C <sub>23</sub> H <sub>48</sub>	638-67-5	Trimethylaluminum	C <sub>3</sub> H <sub>9</sub> N	75-50-1
Tricresyl phosphate	C <sub>21</sub> H <sub>21</sub> O <sub>4</sub> P	78-30-8	Trimethylamine	C <sub>3</sub> H <sub>11</sub> BN	75-22-1
Tricyclo[5.2.1.0 <sup>2,6</sup> ]decane	C <sub>10</sub> H <sub>16</sub>	6004-38-2	Trimethylamineborane	C <sub>3</sub> H <sub>16</sub> B <sub>3</sub> N	57808-48-1
Tricyclo[3.3.1.1 <sup>3,7</sup> ]decane	C <sub>10</sub> H <sub>16</sub>	281-23-2	Trimethylamine-triborane		
Tricyclo[3.3.2.0 <sup>2,8</sup> ]deca-2,7,9-triene	C <sub>10</sub> H <sub>10</sub>	1005-51-2	Trimethylammonium		
Tricyclo[6.2.2.1.1 <sup>3,6</sup> ]dodecane	C <sub>12</sub> H <sub>20</sub>	281-84-5	trichlorocadmite		
Tricyclo[2.2.2.1.0 <sup>2,6</sup> ]heptane	C <sub>7</sub> H <sub>10</sub>	279-19-6	N,N,N,2-Trimethylalanine methyl ester	C <sub>3</sub> H <sub>10</sub> CdCl <sub>3</sub> N	68778-49-1
1,1,3-Tricyclohexylpropane	C <sub>21</sub> H <sub>38</sub>	55682-89-8	2,N,N-Trimethylaniline	C <sub>7</sub> H <sub>15</sub> NO <sub>2</sub>	140653-59-1
Tricyclopentadienyl yttrium	C <sub>15</sub> H <sub>15</sub> Y	1294-07-1	Trimethylarsine	C <sub>9</sub> H <sub>13</sub> N	609-72-1
<i>n</i> -Tridecane	C <sub>13</sub> H <sub>28</sub>	629-50-5	1,2,3-Trimethylbenzene	C <sub>3</sub> H <sub>9</sub> As	593-88-1
Tridecanedioic acid	C <sub>13</sub> H <sub>22</sub> O <sub>4</sub>	638-53-9	1,2,4-Trimethylbenzene	C <sub>9</sub> H <sub>12</sub>	526-73-1
Tridecanoic acid	C <sub>13</sub> H <sub>26</sub> O <sub>2</sub>	638-53-9	1,3,5-Trimethylbenzene	C <sub>9</sub> H <sub>12</sub>	95-63-0
Tridecanoin	C <sub>33</sub> H <sub>62</sub> O <sub>6</sub>	621-71-6	2,4,6-Trimethylbenzonitrile	C <sub>9</sub> H <sub>12</sub>	108-67-1
1-Tridecanol	C <sub>13</sub> H <sub>28</sub> O	112-70-9	2,4,6-Trimethylbenzonitrile	C <sub>10</sub> H <sub>11</sub> N	2571-52-1
Tridecanolactone	C <sub>13</sub> H <sub>24</sub> O <sub>2</sub>	1725-04-8	N-oxide		
<i>n</i> -Tridecyl alcohol	C <sub>13</sub> H <sub>28</sub> O	112-70-9	Trimethyl borane	C <sub>10</sub> H <sub>11</sub> NO	2902-57-1
Tridecyl methyl ketone	C <sub>15</sub> H <sub>30</sub> O	2345-28-0	Trimethyl borate	C <sub>3</sub> H <sub>9</sub> B	593-90-1
Triethanolamine	C <sub>6</sub> H <sub>15</sub> NO <sub>3</sub>	102-71-6	2,2,3-Trimethylbutane	C <sub>3</sub> H <sub>9</sub> BO <sub>3</sub>	121-43-1
Triethanolamine borate	C <sub>6</sub> H <sub>12</sub> BNO <sub>3</sub>	283-56-7	Trimethyl cyanurate	C <sub>7</sub> H <sub>16</sub>	464-06-1
Triethylaluminum	C <sub>6</sub> H <sub>15</sub> Al	97-93-8	2,5,6-Trimethyl-2-cyclohexen-1-one	C <sub>6</sub> H <sub>9</sub> N <sub>3</sub> O <sub>3</sub>	877-89-1
Triethylamine	C <sub>6</sub> H <sub>15</sub> N	121-44-8	4-(2,6,6-Trimethyl-1-	C <sub>9</sub> H <sub>14</sub> O	20030-30-1
Triethylamineborane	C <sub>6</sub> H <sub>18</sub> BN	1722-26-5	cyclohexen-1-yl)-3-butene-2-one	C <sub>13</sub> H <sub>20</sub> O	79-77-1
Triethylantimony	C <sub>6</sub> H <sub>15</sub> Sb	617-85-6	3,7,11-Trimethyl-1-dodecyne-3-ol	C <sub>15</sub> H <sub>28</sub> O	1604-35-1
Triethylarsine	C <sub>6</sub> H <sub>15</sub> As	617-75-4	Trimethylene oxide	C <sub>4</sub> H <sub>6</sub> O	503-30-1
Triethylbismuth	C <sub>6</sub> H <sub>15</sub> Bi	617-77-6	Trimethylgallium	C <sub>3</sub> H <sub>9</sub> Ga	1445-79-1
Triethylboron	C <sub>6</sub> H <sub>15</sub> B	97-94-9	Trimethylhydrazine	C <sub>3</sub> H <sub>10</sub> N <sub>2</sub>	1741-01-1
Triethylenediamine	C <sub>6</sub> H <sub>12</sub> N <sub>2</sub>	280-57-9	Trimethylhydroquinone	C <sub>9</sub> H <sub>12</sub> O <sub>2</sub>	700-13-1
Triethylene glycol	C <sub>6</sub> H <sub>10</sub> O <sub>4</sub>	112-27-6	Trimethylindium	C <sub>3</sub> H <sub>9</sub> In	3385-78-1
Triethylenetetramine	C <sub>6</sub> H <sub>18</sub> N <sub>4</sub>	112-24-3	Trimethylolethane	C <sub>5</sub> H <sub>12</sub> O <sub>3</sub>	77-85-1
Triethylgallium	C <sub>6</sub> H <sub>15</sub> Ga	1115-99-7	Trimethylolethane tetrahydrate	C <sub>5</sub> H <sub>12</sub> O <sub>3</sub> ·4H <sub>2</sub> O	142381-76-1
Triethylindium	C <sub>6</sub> H <sub>15</sub> In	923-34-2	6,10,14-Trimethyl-3,5-pentadecadien-2-one	C <sub>18</sub> H <sub>32</sub> O	1604-32-1
Triethylstibine	C <sub>6</sub> H <sub>15</sub> Sb	617-85-6	6,10,14-Trimethyl-2-pentadecanone	C <sub>18</sub> H <sub>36</sub> O	502-69-1
Trifluoroacetonitrile	C <sub>2</sub> F <sub>3</sub> N	353-85-5	2,2,4-Trimethylpentane	C <sub>8</sub> H <sub>18</sub>	540-84-1
Trifluoroacetyl fluoride	C <sub>2</sub> F <sub>4</sub> O	354-34-7	2,3,3-Trimethylpentane	C <sub>8</sub> H <sub>18</sub>	560-21-1
1,1,1-Trifluoro-3-chloropropane	C <sub>3</sub> H <sub>4</sub> ClF <sub>3</sub>	460-35-5	2,3,4-Trimethylpentane	C <sub>8</sub> H <sub>11</sub> Br	565-75-1
1,1,1-Trifluoro-3,3-dichloropropane	C <sub>3</sub> H <sub>3</sub> Cl <sub>2</sub> F <sub>3</sub>	460-69-5	2,4,4-Trimethyl-1-pentene	C <sub>8</sub> H <sub>16</sub>	107-39-1
1,1,1-Trifluoroethane	C <sub>2</sub> H <sub>3</sub> F <sub>3</sub>	420-46-2	2,4,4-Trimethyl-2-pentene	C <sub>8</sub> H <sub>16</sub>	107-40-1
Trifluoromethane	CHF <sub>3</sub>	75-46-7	2,3,6-Trimethylphenol	C <sub>9</sub> H <sub>12</sub> O	2416-94-1
Trifluoromethanethiol	CHF <sub>3</sub> S	1493-15-8	2,4,6-Trimethylphenol	C <sub>9</sub> H <sub>12</sub> O	527-60-1
$\alpha$ -(Trifluoromethoxy)- $\alpha,\alpha$ -difluoromethyl acetate	C <sub>4</sub> H <sub>5</sub> F <sub>3</sub> O <sub>3</sub>	2195-84-8	2,4,6-Trimethylphenyl isocyanide	C <sub>10</sub> H <sub>11</sub> N	57116-96-1
3-Trifluoromethylbenzoic acid	C <sub>7</sub> H <sub>4</sub> F <sub>3</sub> O <sub>2</sub>	454-92-2	2,3,6-Trimethylpyridine	C <sub>8</sub> H <sub>11</sub> N	1462-84-1
Trifluoromethyl cyanide	C <sub>2</sub> F <sub>3</sub> N	353-85-5	cis-(2,4,6-Trimethyl-2,4,6-triphenyl)cyclotrisiloxane	C <sub>21</sub> H <sub>24</sub> O <sub>3</sub> Si <sub>3</sub>	3424-57-1
Trifluoromethyl ( <i>o</i> -hydroxy-1-propenyl) ketone	C <sub>5</sub> H <sub>5</sub> F <sub>3</sub> O <sub>2</sub>	65847-85-0	trans-Tri-2,4,6-methylphenylecyclotrisiloxane	C <sub>21</sub> H <sub>24</sub> O <sub>3</sub> Si <sub>3</sub>	6138-53-1
3-Trifluoromethyl nitrobenzene	C <sub>7</sub> H <sub>4</sub> F <sub>3</sub> NO <sub>2</sub>	98-46-4	2,2,N-Trimethylpropanamide	C <sub>6</sub> H <sub>13</sub> NO	6830-83-1
2-[3-(Trifluoromethyl)-phenyl]amino-3-pyridinecarboxylic acid	C <sub>13</sub> H <sub>9</sub> F <sub>3</sub> N <sub>2</sub> O <sub>2</sub>	4394-00-7	2,4,6-Trimethylpyridine	C <sub>8</sub> H <sub>11</sub> N	108-75-1
2-[3-(Trifluoromethyl)-phenyl]amino-3-pyridinecarboxylic acid, $\beta$ -morpholin-ethyl ester	C <sub>19</sub> H <sub>20</sub> F <sub>3</sub> N <sub>3</sub> O <sub>3</sub>	65847-85-0	N-( $\beta$ -Trimethylsilyl)azetidine, zinc chloride complex	C <sub>8</sub> H <sub>19</sub> Cl <sub>2</sub> NSiZn	42525-64-1
$\alpha,\alpha,\alpha$ -Trifluorotoluene	C <sub>7</sub> H <sub>5</sub> F <sub>3</sub>	98-08-8	N-( $\beta$ -Trimethylsilyl)ethyl)ethylenimine	C <sub>7</sub> H <sub>17</sub> NSi	18387-12-1
<i>m</i> -Trifluorotoluic acid	C <sub>7</sub> H <sub>5</sub> F <sub>3</sub> O <sub>2</sub>	454-92-2	N-( $\beta$ -Trimethylsilyl)ethyl)trimethylenimine	C <sub>8</sub> H <sub>19</sub> NSi	42525-64-1
$\alpha,\alpha,\alpha$ -Trifluoro- <i>m</i> -toluic acid	C <sub>7</sub> H <sub>5</sub> F <sub>3</sub> O <sub>2</sub>	454-92-2	Trimethylsulfonylmethane	C <sub>4</sub> H <sub>10</sub> O <sub>6</sub> S <sub>3</sub>	67294-81-1
Triglycine	C <sub>6</sub> H <sub>11</sub> N <sub>3</sub> O <sub>4</sub>	139-13-9	2,4,6-Trimethyl-1,3,5-trioxane	C <sub>6</sub> H <sub>12</sub> O <sub>3</sub>	123-63-1
Triglycine fluoroberyllate	C <sub>6</sub> H <sub>17</sub> BeF <sub>4</sub> N <sub>3</sub> O <sub>6</sub>	2396-72-7	cis-1,3,5-Trimethyl-1,3,5-triphenylcyclotrisiloxane	C <sub>21</sub> H <sub>24</sub> O <sub>3</sub> Si <sub>3</sub>	3424-57-1
Triglycine fluoroberyllate, deuterated	C <sub>6</sub> D <sub>17</sub> BeF <sub>4</sub> N <sub>3</sub> O <sub>6</sub>	unavailable	trans-1,3,5-Trimethyl-1,3,5-triphenylcyclotrisiloxane	C <sub>21</sub> H <sub>24</sub> O <sub>3</sub> Si <sub>3</sub>	6138-53-1
Triglycine sulfate	C <sub>6</sub> H <sub>11</sub> N <sub>3</sub> O <sub>10</sub> S	513-29-1	1,3,6-Trimethyluracil	C <sub>7</sub> H <sub>10</sub> N <sub>2</sub> O <sub>2</sub>	13509-52-1

1,1,3-Trimethylurea	C <sub>4</sub> H <sub>10</sub> N <sub>2</sub> O	632-14-4		<b>U</b>	
Trimyristin	C <sub>45</sub> H <sub>86</sub> O <sub>6</sub>	555-45-3	n-Unatriacontane	C <sub>31</sub> H <sub>64</sub>	630-04-6
1,3,5-Tri-2-naphthylbenzene	C <sub>36</sub> H <sub>24</sub>	7059-70-3	n-Undecane	C <sub>11</sub> H <sub>24</sub>	1120-21-4
1,3,5-Trinitrobenzene	C <sub>6</sub> H <sub>3</sub> N <sub>3</sub> O <sub>6</sub>	99-35-4	Undecanedioic acid	C <sub>11</sub> H <sub>20</sub> O <sub>4</sub>	1852-04-6
2,4,6-Trinitro-N-(methylnitro)- <i>m</i> -toluidene	C <sub>8</sub> H <sub>7</sub> N <sub>5</sub> O <sub>8</sub>	43072-20-4	n-Undecane-urea adduct	C <sub>2,2</sub> H <sub>6,6</sub> N <sub>2</sub> O	1191-63-5
2,4,6-Trinitrophenol	C <sub>6</sub> H <sub>3</sub> N <sub>3</sub> O <sub>7</sub>	29663-11-4	Undecanoic acid	C <sub>11</sub> H <sub>22</sub> O <sub>2</sub>	112-37-8
2,4,6-Trinitrophenylethyl nitramine	C <sub>8</sub> H <sub>7</sub> N <sub>5</sub> O <sub>8</sub>	6052-13-7	1-Undecanol	C <sub>11</sub> H <sub>24</sub> O	112-42-5
2,4,6-Trinitrophenylmethyl nitramine	C <sub>7</sub> H <sub>5</sub> N <sub>5</sub> O <sub>8</sub>	479-45-8	Undecanolactone	C <sub>11</sub> H <sub>20</sub> O <sub>2</sub>	710-04-3
2,4,6-Trinitroresorcinol	C <sub>6</sub> H <sub>3</sub> N <sub>3</sub> O <sub>8</sub>	82-71-3	6-Undecanone	C <sub>11</sub> H <sub>22</sub> O	927-49-1
1,3,5-Trinitroso-1,3,5-triazacyclohexane	C <sub>3</sub> H <sub>6</sub> N <sub>6</sub> O <sub>3</sub>	1116-76-3	1-Undecene	C <sub>11</sub> H <sub>22</sub>	821-95-4
2,4,5-Trinitrotoluene	C <sub>7</sub> H <sub>5</sub> N <sub>3</sub> O <sub>6</sub>	610-25-3	n-Undecyl alcohol	C <sub>11</sub> H <sub>24</sub> O	112-42-5
2,4,6-Trinitrotoluene	C <sub>7</sub> H <sub>5</sub> N <sub>3</sub> O <sub>6</sub>	118-96-7	Undecylcyanobiphenyl	C <sub>24</sub> H <sub>31</sub> N	65860-74-4
1,3,5-Trinitro-1,3,5-triazacyclohexane	C <sub>3</sub> H <sub>6</sub> N <sub>6</sub> O <sub>6</sub>	121-82-4	n-Untriaccontane	C <sub>31</sub> H <sub>64</sub>	630-04-6
Triacetoin	C <sub>27</sub> H <sub>50</sub> O <sub>6</sub>	538-23-8	Uracil	C <sub>4</sub> H <sub>6</sub> N <sub>2</sub> O <sub>2</sub>	66-22-8
Tri- <i>n</i> -octylamine	C <sub>24</sub> H <sub>51</sub> N	1116-76-3	Uranium pentaethylate	C <sub>10</sub> H <sub>22</sub> O <sub>5</sub> U	unavailable
1,3,5-Trioxane	C <sub>3</sub> H <sub>6</sub> O <sub>3</sub>	110-88-3	Urea	CH <sub>4</sub> N <sub>2</sub> O	57-13-6
2,5,8-Trioxanonane	C <sub>6</sub> H <sub>14</sub> O <sub>3</sub>	111-96-6	Urea-1-decene adduct	C <sub>2,3</sub> H <sub>6,7</sub> N <sub>2</sub> O	24494-58-4
3,6,9-Trioxaundecane	C <sub>8</sub> H <sub>18</sub> O <sub>3</sub>	112-36-7	Urea-1-dodecene adduct	C <sub>2,2</sub> H <sub>6,8</sub> N <sub>2</sub> O	38588-33-9
Tripalmitin	C <sub>51</sub> H <sub>98</sub> O <sub>6</sub>	555-44-2	Urea-1-eicosene adduct	C <sub>2,4</sub> H <sub>6,8</sub> N <sub>2</sub> O	24494-31-7
Triphenylamine	C <sub>18</sub> H <sub>15</sub> N	603-34-9	Urea-1-hexadecene adduct	C <sub>2,3</sub> H <sub>6,7</sub> N <sub>2</sub> O	24494-57-3
Triphenylarsine	C <sub>18</sub> H <sub>15</sub> As	603-32-7	Urea nitrate	CH <sub>3</sub> N <sub>3</sub> O <sub>4</sub>	17687-37-5
1,3,5-Triphenylbenzene	C <sub>24</sub> H <sub>18</sub>	612-71-5	Urea-1-octadecene adduct	C <sub>2,4</sub> H <sub>6,8</sub> N <sub>2</sub> O	38588-35-1
Triphenylbismuthine	C <sub>18</sub> H <sub>15</sub> Bi	603-33-8	Urea-phenol complex	C <sub>13</sub> H <sub>16</sub> N <sub>2</sub> O <sub>3</sub>	5168-44-5
Triphenylcarbinol	C <sub>19</sub> H <sub>16</sub> O	76-84-6	Urea-1-tetradecene adduct	C <sub>2,4</sub> H <sub>6,9</sub> N <sub>2</sub> O	27610-35-1
Triphenylchloromethane	C <sub>19</sub> H <sub>15</sub> Cl	76-83-5	Urea-trioxane inclusion		
Triphenylchlorosilane	C <sub>18</sub> H <sub>15</sub> ClSi	76-86-8	compound	C <sub>10</sub> H <sub>22</sub> N <sub>2</sub> O <sub>10</sub>	20351-17-1
Triphenylene	C <sub>18</sub> H <sub>12</sub>	217-59-4	Urea- <i>n</i> -undecane adduct	C <sub>2,2</sub> H <sub>6,6</sub> N <sub>2</sub> O	1191-63-5
Triphenylene picric acid	C <sub>24</sub> H <sub>15</sub> N <sub>3</sub> O <sub>7</sub>	72454-49-0	Urethane	C <sub>3</sub> H <sub>7</sub> NO <sub>2</sub>	51-79-6
1,1,1-Triphenylethane	C <sub>20</sub> H <sub>18</sub>	5271-39-6	Uric acid	C <sub>5</sub> H <sub>4</sub> N <sub>4</sub> O <sub>3</sub>	69-93-2
1,1,2-Triphenylethane	C <sub>20</sub> H <sub>18</sub>	1520-42-9			
Triphenylethylenes	C <sub>20</sub> H <sub>16</sub>	58-72-0	<b>V</b>		
Triphenylmethane	C <sub>19</sub> H <sub>16</sub>	519-73-3	Vinylidene chloride	C <sub>2</sub> H <sub>2</sub> Cl <sub>2</sub>	75-35-4
Triphenyl phenylethyln tin	C <sub>26</sub> H <sub>20</sub> Sn	1247-08-1	Vinyl bromide	C <sub>2</sub> H <sub>3</sub> Br	593-60-2
Triphenylphosphate	C <sub>18</sub> H <sub>15</sub> O <sub>4</sub> P	115-86-6	Vinyl chloride	C <sub>2</sub> H <sub>3</sub> Cl	75-01-4
Triphenylphosphine	C <sub>18</sub> H <sub>15</sub> P	603-35-0	Vinyl cyanide	C <sub>3</sub> H <sub>3</sub> N	107-13-1
Triphenylphosphine oxide	C <sub>18</sub> H <sub>15</sub> OP	791-28-6	Vinyl acetate	C <sub>4</sub> H <sub>6</sub> O <sub>2</sub>	108-05-4
2,4,6-Triphenylpyridine	C <sub>23</sub> H <sub>17</sub> N	580-35-8	Valeraldehyde	C <sub>5</sub> H <sub>10</sub> O	110-62-3
Triphenylstibene	C <sub>18</sub> H <sub>15</sub> Sb	603-36-1	Valeral	C <sub>5</sub> H <sub>10</sub> O	110-62-3
Triphenyl-s-triazine	C <sub>21</sub> H <sub>15</sub> N <sub>3</sub>	493-77-6	& Valerolactone	C <sub>5</sub> H <sub>8</sub> O <sub>2</sub>	542-28-9
Triphenyl-1,3,5-triazine	C <sub>21</sub> H <sub>15</sub> N <sub>3</sub>	493-77-6	Valeryl chloride	C <sub>5</sub> H <sub>9</sub> ClO	638-29-9
Triphenyl vinyl tin	C <sub>20</sub> H <sub>18</sub> Sn	2117-48-8	Valeronitrile	C <sub>5</sub> H <sub>9</sub> N	110-59-8
Tripropionin	C <sub>12</sub> H <sub>20</sub> O <sub>6</sub>	139-45-7	<i>n</i> -Valeric acid	C <sub>5</sub> H <sub>10</sub> O <sub>2</sub>	109-52-4
Tripropylaluminum	C <sub>9</sub> H <sub>21</sub> Al	102-67-0	Valine(D)	C <sub>5</sub> H <sub>11</sub> NO <sub>2</sub>	640-68-6
Tripropylene glycol	C <sub>9</sub> H <sub>20</sub> O <sub>4</sub>	1638-16-0	Valine(L)	C <sub>5</sub> H <sub>11</sub> NO <sub>2</sub>	72-18-4
Triptycene	C <sub>20</sub> H <sub>14</sub>	477-75-8	Valine(DL)	C <sub>5</sub> H <sub>11</sub> NO <sub>2</sub>	516-06-3
TRIS	C <sub>4</sub> H <sub>11</sub> NO <sub>3</sub>	77-86-1	Vanadocene	C <sub>10</sub> H <sub>10</sub> V	1277-47-0
Tris(di- <i>n</i> -butylthiocarbamato)antimony (III)	C <sub>27</sub> H <sub>54</sub> N <sub>3</sub> S <sub>6</sub> Sb	14907-93-8	Vinyltrimethylsilane	C <sub>5</sub> H <sub>12</sub> Si	754-05-2
Tris(di- <i>n</i> -butylthiocarbamato)arsenic (III)	C <sub>27</sub> H <sub>54</sub> AsN <sub>3</sub> S <sub>6</sub>	48233-55-2	Vinyl isobutyl ether	C <sub>6</sub> H <sub>12</sub> O	109-53-5
Tris(di- <i>n</i> -butylthiocarbamato)bismuth (III)	C <sub>27</sub> H <sub>54</sub> BiN <sub>3</sub> S <sub>6</sub>	34410-99-6	Vinyl <i>n</i> -butyl ether	C <sub>6</sub> H <sub>12</sub> O	111-34-2
Tris(di- <i>n</i> -butylthiocarbamato)phosphorus (III)	C <sub>27</sub> H <sub>54</sub> N <sub>3</sub> PS <sub>6</sub>	69267-83-0	Vinyldimethylphenylsilane	C <sub>10</sub> H <sub>14</sub> Si	1125-26-4
Tris(cyclopentadienylcobalt)disulfide	C <sub>15</sub> H <sub>15</sub> Co <sub>2</sub> S <sub>2</sub>	11105-79-6	Vinyldimethylbenzylsilane	C <sub>11</sub> H <sub>16</sub> Si	18001-46-2
Tris(hydroxymethyl)aminomethane	C <sub>4</sub> H <sub>11</sub> NO <sub>3</sub>	77-86-1			
Tris(methylammonium) nonachlorodibismuthate	C <sub>3</sub> H <sub>18</sub> Bi <sub>2</sub> Cl <sub>9</sub> N <sub>3</sub>	72318-16-2	<b>W</b>	(CH <sub>2</sub> ) <sub>n</sub>	9002-88-4
Tris(3-methylpentane-2,4-dionato)iron(III)	C <sub>18</sub> H <sub>27</sub> FeO <sub>6</sub>	13978-46-6	WNC 18 polymer	C <sub>10</sub> H <sub>16</sub> N <sub>2</sub> ClO <sub>4</sub>	38668-38-1
Tris(2-picolyamine)iron chloride ethanolate	C <sub>20</sub> H <sub>30</sub> Cl <sub>2</sub> FeN <sub>6</sub> O	18433-69-7	Wurster's Blue perchlorate		
Tris(sarcosine) calcium chloride	C <sub>9</sub> H <sub>21</sub> CaCl <sub>2</sub> N <sub>3</sub> O <sub>6</sub>	10051-96-4			
Tristearin	C <sub>57</sub> H <sub>110</sub> O <sub>6</sub>	555-43-1	<b>X</b>	C <sub>5</sub> H <sub>4</sub> N <sub>4</sub> O <sub>2</sub>	57-41-0
Trithiocarbonic acid	CH <sub>2</sub> S <sub>3</sub>	594-08-1	Xanthine	C <sub>13</sub> H <sub>8</sub> O <sub>2</sub>	90-47-1
<i>n</i> -Tritriacontane	C <sub>33</sub> H <sub>68</sub>	630-05-7	Xanthone	C <sub>6</sub> H <sub>10</sub>	108-38-3
<i>anti, trans</i> -Truxane	C <sub>18</sub> H <sub>16</sub>	25456-55-7	<i>o</i> -Xylene	C <sub>8</sub> H <sub>10</sub>	95-47-6
<i>syn, trans</i> -Truxane	C <sub>18</sub> H <sub>16</sub>	23358-17-0	<i>p</i> -Xylene	C <sub>8</sub> H <sub>10</sub>	106-42-3
Tryptophane(L)	C <sub>11</sub> H <sub>12</sub> N <sub>2</sub> O <sub>2</sub>	73-22-3	Xylitol	C <sub>5</sub> H <sub>12</sub> O <sub>5</sub>	87-99-0
Tyrosine(L)	C <sub>9</sub> H <sub>11</sub> NO <sub>3</sub>	60-18-4	$\alpha$ -Xylose(D)	C <sub>5</sub> H <sub>10</sub> O <sub>3</sub>	58-86-6

	<b>Y</b>			
Ytterbium isothiocyanate hexahydrate		C <sub>3</sub> N <sub>3</sub> S <sub>3</sub> Yb·6H <sub>2</sub> O	91862-08-7	Zinc(II) <i>n</i> -dodecanoate
Yttrium ethylsulfate		C <sub>6</sub> H <sub>15</sub> O <sub>12</sub> S <sub>3</sub> Y·9H <sub>2</sub> O	13040-17-0	Zinc(II) <i>n</i> -hexadecanoate
Yttrium isothiocyanate hexahydrate		C <sub>3</sub> N <sub>3</sub> S <sub>3</sub> Y·6H <sub>2</sub> O	91862-09-8	Zinc(II) <i>n</i> -hexanoate
Zinc acetate		C <sub>4</sub> H <sub>6</sub> O <sub>4</sub> Zn	557-34-6	Zinc(II) <i>n</i> -octadecanoate
Zinc acetate dihydrate		C <sub>4</sub> H <sub>6</sub> O <sub>4</sub> Zn·2H <sub>2</sub> O	5970-45-6	Zinc(II) <i>n</i> -octanoate
Zinc acetylacetone		C <sub>10</sub> H <sub>14</sub> O <sub>4</sub> Zn	14024-63-6	Zinc(II) <i>n</i> -tetradecanoate
Zinc(II) <i>n</i> -decanoate		C <sub>20</sub> H <sub>38</sub> O <sub>4</sub> Zn	13040-17-0	Zirconium acetylacetone
	<b>Z</b>			Zirconium $\alpha,\alpha,\alpha$ -trifluoroacetylacetone
				C <sub>24</sub> H <sub>46</sub> O <sub>4</sub> Zn 2452-01-
				C <sub>32</sub> H <sub>62</sub> O <sub>4</sub> Zn 4991-47-
				C <sub>12</sub> H <sub>22</sub> O <sub>4</sub> Zn 20779-08-
				C <sub>30</sub> H <sub>70</sub> O <sub>4</sub> Zn 557-05-
				C <sub>16</sub> H <sub>30</sub> O <sub>4</sub> Zn 557-09-
				C <sub>28</sub> H <sub>54</sub> O <sub>4</sub> Zn 16260-27-
				C <sub>20</sub> H <sub>28</sub> O <sub>8</sub> Zr 17501-44-
				C <sub>20</sub> H <sub>16</sub> F <sub>12</sub> O <sub>8</sub> Zr 17499-68-

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